Version 2 **Issuing Date** 11/10/2016 Revision Date 11/10/2016

# 1. Identification of the Substance/Preparation and of the Company/Undertaking A THE BLANKS SINCE 1969

**Product Identifier** 

**Product Code** 1839

**Product name REMAZOL BR YELLOW 4GL** 

Recommended use of the chemical and restrictions on use

**Synonyms** 

Supplier's details

Recommended use Industrial Use Only.

**Details of the Supplier of the Safety Data Sheet** 

Dharma Trading Co.

1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (707) 283-0390

**Emergency Telephone Number** 

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

# 2. Hazards Identification

# Classification

Skin sensitization Category 1B

# **EMERGENCY OVERVIEW**

Signal Word WARNING

Hazard Statements

H317 - May cause an allergic skin reaction



Appearance Yellow

Physical State Powder

Odor odorless

**Precautionary Statements -**

Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray Contaminated work clothing should not be allowed out of the workplace Keep/Store away from clothing/

combustible materials

**Precautionary Statements -**

Response

Skin

Get medical advice/attention if you feel unwell

IF ON SKIN: Wash with plenty of soap and water If skin irritation or rash occurs:

Get medical advice/attention Wash contaminated clothing before reuse

Precautionary Statements - Dispose of contents/container to an approved waste disposal plant

Disposal

Бізрозиі

# <u>Hazards Not Otherwise Classified (HNOC)</u>

# OTHER INFORMATION

**Unknown Acute Toxicity** 

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

# 3. Composition/information on Ingredients

Chemical Name	CAS-No	Weight %	Trade secret
C.I Reactive Yellow 160	94158-87-9	100%	**

# 4. First aid measures

# First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

**INHALATION** Move to fresh air.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

# 5. Fire-fighting measures

# Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

# Specific Hazards Arising from the Chemical

No information available.

# **Explosion Data**

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition

source is a potential dust explosion hazard.

# **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

\_\_\_\_\_

**Environmental precautions** 

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

# 7. Handling and Storage

# **Precautions for Safe Handling**

Advice on safe handling Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use

personal protection recommended in Section 8.

# Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

Incompatible Products

None known based on information supplied.

# 8. Exposure Controls/Personal Protection

**Control Parameters** 

**Exposure guidelines**This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

**Exposure Controls** 

**Engineering Measures** Showers

**Evewash stations** 

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

# Individual protection measures, such as personal protective equipment

**Eye/Face Protection**Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be

provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye

protection.

Skin and Body Protection Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

the product. Wear personal protective equipment.

# 9. Physical and Chemical Properties

# **Physical and Chemical Properties**

Powder **Physical State** Yellow

**Appearance** odorless Odor N/A N/A BLANKS

odor threshold No information available

Property **VALUES** 

No information available Hq

melting point No information available

Boiling point/boiling range Flash Point Not applicable

Not applicable **Evaporation Rate VALUE** 

flammability (solid, gas) Not applicable

Flammability Limits in Air

**Upper Flammability Limit** Not applicable Lower Flammability Limit Not applicable

vapor pressure No information available **Vapor Density** No information available Specific gravity No information available

Solubility in Other Solvents Not applicable Partition coefficient: n-octanol/waterNot applicable **Autoignition Temperature** Not applicable decomposition temperature Not applicable No Data Available Kinematic viscosity No information available Dynamic viscosity

**Explosive Properties** Not applicable Not applicable Oxidizing properties

# OTHER INFORMATION

softening point Not applicable

Molecular Weight

**VOC Content(%)** No information available. density No information available

# 10. Stability and Reactivity

### Reactivity

no data available

### **Chemical Stability**

Stable under recommended storage conditions.

# **Hazardous Reactions**

None under normal processing

# Conditions to avoid

Extremes of temperature and direct sunlight.

# incompatible materials

None known based on information supplied.

# Hazardous decomposition products

May emit toxic fumes under fire conditions.

# 11. Toxicological Information

Information on Likely Routes of Exposure

**Product information** Product does not present an acute toxicity hazard based on known or supplied information

**INHALATION** Avoid breathing vapors or mists.

**Eye Contact** Avoid contact with eyes. Avoid contact with skin. Skin Contact

ure BLANKS SINCE 1969 Ingestion Not an expected route of exposure. Do NOT taste or swallow.

# Information on Toxicological Effects

No information available. **Symptoms** 

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

May cause sensitization by skin contact. sensitization

No information available. Germ cell mutagenicity Carcinogenicity No information available **Reproductive Toxicity** No information available. No information available. Specific target organ systemic

toxicity (single exposure) Specific target organ systemic

toxicity (repeated exposure)

No information available.

**Aspiration Hazard** No information available.

# Numerical Measures of Toxicity - Product information

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity **Unknown Acute Toxicity** 

# 12. Ecological Information

### ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

### Persistence and Degradability

No information available.

### **Bioaccumulation**

No information available.

No information available **Other Adverse Effects** 

# 13. Disposal Considerations

Waste treatment

Should not be released into the environment. Dispose of in accordance with local **Waste Disposal Methods** 

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

**Contaminated Packaging** Do not re-use empty containers. Dispose of in accordance with local regulations.

# 14. TRANSPORT INFORMATION

Revision Date 11/10/2016 L839 / REMAZOL BR YELLOW 4GL

DOT **NOT REGULATED** Description

MEX

IATA

ART SUPPLIES & CLOTHING BLANKS SINCE 1969 Description

<u>IMDG</u>

Description

<u>RID</u>

ADN

1. ACE 1969

# 15. Regulatory Information

### **International Inventories**

TSCA Listed
EINECS/ELINCS Listed
DSL Listed

NDSL Not Determined PICCS Not Determined

ENCS Listed
IECSC Listed
AICS Listed

KECL Not Determined NZIoC Not Determined

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

REACH registration number Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

# **RESTRICTIONS - REACH TITLE VIII** No information available

# **US Federal Regulations**

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

# SARA 311/312 Hazard Categories

Acute health hazard YES.
Chronic health hazard NO.
Fire hazard NO.
Sudden Release of Pressure Hazard NO.
Reactive Hazard NO.

### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

# **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

# **US State Regulations**

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

# U.S. State Right-to-Know Regulations

# International regulations

### **CANADA**

# **WHMIS Note**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### **WHMIS Hazard Class**

D2B Toxic materials



HMIS HEALTH 1 Flammability 1 Physical hazard 0 PERSONAL PROTECTION F

# 16. Other Information

Revision Date 11/10/2016

Revision note No information available.

Restrictions on use No information available.

Contact Information Website WWW.KEYCOLOUR.NET.

**Disclaimer** 

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet** 

\_\_\_\_\_\_

according to 29 CFR 1910.1200

# Levafix GldYellow E-G gran 150%

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# SECTION 1: Identification of the substance/preparation and company

1.1 Product identifier

Levafix GldYellow E-G gran 150%

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Use pattern : Textile dye

1.3 Details of the supplier of the safety data sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (707) 283-0390

Fax: (707) 283-0379

1.4 Emergency telephone number

Emergency telephone number: (800) 424-9300

# SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

Classification of the chemical in accordance with paragraph (d) of §1910.1200

May cause an allergic skin reaction.

Classification of the Substance or Mixture

Respiratory or skin sensitisation: Skin Sensitisation, Cat. 1B

according to 29 CFR 1910.1200

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# 2.2 Label elements

# Pictograms:



exclamation mark

# Signal word: Warning

### **Hazard Statements:**

H317 May cause an allergic skin reaction.

# Precautionary Statements (Prevention):

P260 Do not breathe dust.

P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

# Precautionary Statements (Response):

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

# Precautionary Statements (Storage):

# Precautionary Statements (Disposal):

P501 Dispose of contents/container to waste treatment in accordance with national

regulations.

according to 29 CFR 1910.1200

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### 2.3 Other hazards

If applicable in this section are given hazards which are not part of the overall classification but can contribute to the hazards which may be associated with the substance or mixture.

not applicable

# **SECTION 3:** Composition/information on ingredients

# 3.1 Substances

Not applicable

3.2 Mixtures

# **Chemical characterization**

azo reactive dyestuff preparation

# Hazardous Ingredients (GHS) according to 29 CFR 1910.1200

Not applicable

# **SECTION 4:** First aid measures

# 4.1 Description of first aid measures

General information: Take off immediately all contaminated clothing.

After inhalation: Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

After contact with skin: Remove all contaminated clothing immediately. Cleansing with plenty of water, soap or other non-irritating cleansing agents.

After contact with eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. A doctor (or eye specialist ) should be consulted immediately.

After ingestion: If the product is swallowed, the patient must at once drink water repeatedly, if possible with the addition of activated carbon. If the patient feels unwell, seek medical advice.

according to 29 CFR 1910.1200

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# 4.2 Most important symptoms and effects, both acute and delayed

Please see hazard statements in section 2.2 if given and information in this section if stated.

# 4.3 Indication of any immediate medical attention and special treatment needed

Please see precautionary statements in section 2.2 as well as first aid information in this section if stated.

# **SECTION 5:** Fire-fighting measures

# 5.1 Extinguishing media

Suitable extinguishing media: Water spray, foam, dry powder.

Extinguishing media that must not be used for safety reasons: CO2

# 5.2 Special hazards arising from the substance or mixture

not determined

# 5.3 Advice for firefighters

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

# **SECTION 6:** Accidental release measures

# 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid formation and deposition of dust.

# 6.2 Environmental precautions

Environmental precautions: Do not empty into drains or waters.

# 6.3 Methods and material for containment and cleaning up

according to 29 CFR 1910.1200

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Methods for cleaning up/taking up: Take up spilled product with dust-binding material or suitable vacuum cleaner. Fill into labelled, sealable containers.

### 6.4 Reference to other sections

Additional information: For further disposal measures see chapter 13.

# SECTION 7: Handling and storage

# 7.1 Precautions for safe handling

Advice on safe handling: Avoid formation and deposition of dust. Keep container tightly closed and dry.

Advice on protection against fire and explosion: Observe the usual precautionary measures required for chemicals with dust-explosive properties. Observe national regulations.

# 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Do not allow product temperature to exceed 50 °C.

Storage stability: Storage period: 36 Months

7.3 Specific end use(s)

not determined

# SECTION 8: Exposure controls/personal protection

# 8.1 Exposure limits

Ingredients with occupational exposure limits to be monitored

reactive dyestuffs Content: > 80 - < 90 %

# 8.2 Exposure controls

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according to 29 CFR 1910.1200

# Levafix GldYellow E-G gran 150%

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General protective measures: Do not breathe dust. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.

NOTICE: GRANULATE DYESTUFFS ARE FREE-FLOWING, SPECIALLY DEDUSTED REACTIVE DYESTUFF PREPARATIONS. BY CAREFUL HANDLING DUSTING CAN BE SUPPRESSED ALMOST COMPLETELY.

Inhalation of dust and aerosols must be absolutely prevented by either adequate ventilation or by a suitable mask. People with chron ic respiratory problems should not work with reactive dyestuff powders. If symptoms such as tightness in the chest or asthma occur w hile handling reactive dyestuff powders, a physician should be consulted as soon as possible. If hypersensitivity is confirmed, all contact with reactive dyestuff powders must cease immediately.

Hygiene measures: Keep away from food and drink stuffs.

Do not eat, drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting ointment.

Respiratory protection: If airborne concentrations pose a health hazard, become irritating, or

exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29

CFR 1910.134.

Hand protection: Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of

contamination, change protective gloves immediately.

Eye protection : safety glasses with side protection shield

Body protection: Wear protective clothing.

# **SECTION 9:** Physical and chemical properties

# 9.1 Information on basic physical and chemical properties

Form; granules

Colour: yellow

Odour: odourless

Melting point not determined

according to 29 CFR 1910.1200

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Boiling point not determined

Flash point : Not applicable

Ignition temperature : not determined

flammability: not determined

Lower explosion limit : not determined

Upper explosion limit : not determined

Vapour pressure : not determined

Density: not determined

Solubility in water : 10 g/l (25 °C)

pH value : 6.5 - 8.0 (100 g/l)

Octanol/water partition coefficient (log not determined

Pow):

Viscosity (dynamic): not determined

Viscosity (kinematic): not determined

Viscosity (flow time): not determined

9.2 Other information

Combustion number : not determined

Dust explosion class: not determined

Bulk density: 350 - 520 kg/m3

Further information (phys.-chem.) not necessary

**SECTION 10:** Stability and reactivity

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according to 29 CFR 1910.1200

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# 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

# 10.2 Chemical stability

Thermal decomposition from 170 °C

# 10.3 Possibility of hazardous reactions

Hazardous reactions: Dust explosion potential: not ignitable (modified Hartmann tube, VDI 2263/3673).

Hazardous decomposition products: Not applicable

# 10.4 Conditions to avoid

For avoidable conditions: not necessary

# 10.5 Incompatible materials

For avoidable materials: not necessary

# 10.6 Hazardous decomposition products

Not applicable

# SECTION 11: Toxicological information

# 11.1 Information on toxicological effects

Acute oral toxicity: LD50 > 5,000 mg/kg (rat)

Acute inhalation toxicity: not determined

Acute dermal toxicity: not determined

Irritant effect on skin : non-irritant (rabbit)

Irritant effect on eyes : non-irritant (rabbit eye)

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according to 29 CFR 1910.1200

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Sensitization:

In the guinea-pig the product has a sensitising effect (OECD 406;

GPMT according to MAGNUSSON-KLIGMAN).

Repeated dose toxicity

not determined

Mutagenicity:

not determined

Teratogenicity:

not necessary

Carcinogenicity:

not necessary

Remarks: Test results of a similarly composed product

High dust concentration may result in irritation of the mucous membranes (eyes or respiratory tract). Repeated exposure to high dust concentration of some reactive dyestuffs may very occasionally cause respiratory hypersensitivity. A sensitisation by this dyestuff has not yet been observed.

# 11.2 Information on toxicological effects

Primary route of exposure

Inhalation: Yes

Skin Absorption: No

Ingestion: No

Skin Contact: Yes

Eye Contact: Yes

# Effects of overexposure

Based on testing done on one or more of the components, this product is a skin sensitizer., Found to be a non-irritant when tested on skin and eyes of rabbits. Prolonged direct contact with this product may cause eye and skin irritation. This product belongs to the class of reactive dyestuffs. Occasional cases of respiratory sensitization have been observed by inhalation of certain reactive dyestuffs. Sensitization by this product has not been observed. Nevertheless, avoid inhalation.

Signs and symptoms of overexposure

Skin sensitization may include one or more of the following: redness, swelling, itching, rash and hives.

Medical conditions aggravated

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

# 11.3 Carcinogen status

according to 29 CFR 1910.1200

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IARC: No NTP: No OSHA: No CalProp65: No

SECTION 12: Ecological information

12.1 Toxicity

Fish toxicity: LC50 > 100 mg/l (48 h, Leuciscus idus)

Method : Range Finding Test

Daphnia toxicity: EC0 > 100 mg/l (24 h, Daphnia magna)

Algae toxicity: not determined

Bacteria toxicity: EC0 1,000 mg/l

Test procedure: Respiratory inhibition of activated sludge organisms according to D. Brown et al., Chemosphere, 10(3), 245-261 (1981), and conforming to OECD Guideline 209

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12.2 Persistence and degradability

Physico-chemical eliminability: not determined

Biodegradability: < 10 %

Method: evaluated from the components

Behaviour in environmental

compartments:

not determined

Dissolved Organic carbon (DOC): not determined

Chemical oxygen demand (COD): not determined

Biochemical oxygen demand (BOD5): not determined

Remarks: Test results of a similarly composed product

according to 29 CFR 1910.1200

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Contains organically bound halogen, but in hydrolysable form. This reactive dye can slightly increase the adsorbable organic halogen content of the effluent.

The product does not contain heavy metals in concentrations of concern for waste water.

The product does not release nitrogen which can contribute to eutrophication.

The product does not contain phosphates or organophosphorus compounds.

# 12.3 Bioaccumulative potential

not determined

# 12.4 Mobility in soil

not determined

# 12.5 Results of PBT and vPvB assessment

not determined

# 12.6 Other adverse effects

not determined

# **SECTION 13:** Disposal considerations

# 13.1 Waste treatment methods

Product: If utilisation or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e. g. by incineration in a suitable plant.

European Waste Catalogue (EWC) code: 040216 Dyestuffs and pigments containing dangerous substances

Uncleaned packaging: Soiled, empty containers are to be treated in the same way as the contents.

# **SECTION 14:** Transport information

# 14.1Transport classification

### D.O.T. Information

according to 29 CFR 1910.1200

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CFR Non dangerous goods IMDG Non dangerous goods IATA\_C Non dangerous goods IATA\_P Non dangerous goods

# 14.2 Special precautions for user

Protect against wetness. Avoid heat above +50 °C. Keep separated from foodstuffs.

# 14.3 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No transport in bulk according to Annex II of MARPOL 73/78 and the IBC code foreseen for this substance or mixture.:

# SECTION 15: Regulatory information

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

# **US Regulations**

# TSCA

The components of this product are listed on the TSCA inventory.

# **Sara 313**

This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372...

# Sara 312

Immediate (acute) health hazard	Yes
Delayed (chronic) health hazard	Yes
Fire hazard	No
Sudden Release of Pressure	No
Reactivity	No

HMIS code: 2 - 1 - 0 - E

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according to 29 CFR 1910.1200

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# 15.2 Chemical safety assessment

not determined

# **SECTION 16:** Other information

None of the products you purchase from DyStar L.P. are subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

Text of all shortcuts referred to in sections 2 and 3:

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

# **Print date**

# Drimaren Orange K-3R cdg

Version 2.0

Revision Date: 07/29/2016

SDS Number: KS8410

Date of last issue: 10/08/2013 Date of first issue: 09/13/2013

# **SECTION 1. IDENTIFICATION**

Identification of the com-

pany:

Dharma Trading Co.

1805 S. McDowell Blvd. Ext.

Petaluma, CA 94954 Telephone: (707) 283-0390

Information of the substance/preparation:

Product Stewardship +1 704-353-4120

Emergency tel. number: +1 866-928-0789 (NCEC)

Trade name:

Drimaren Orange K-3R cdg

Material number:

102172

Chemical family:

azo dyestuff reactive

Recommended use of the chemical and restrictions on use

Recommended use:

textile dye

Recommended restrictions on use:

unknown

# **SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification** 

Respiratory sensitisation

Category 1

Skin sensitisation

Category 1

Combustible dust

.

**GHS** Label element

Hazard pictograms



Signal word : Danger

Hazard statements : H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing diffi-

culties if inhaled.

May form combustible dust concentrations in air

Precautionary statements

: Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P272 Contaminated work clothing should not be allowed out of

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the workplace.

P280 Wear protective gloves.

P285 In case of inadequate ventilation wear respiratory protec-

tion.

P210 Keep away from heat, hot surfaces, sparks, open flames

and other ignition sources. No smoking.

P243 Take precautionary measures against static discharge.

P233 Keep container tightly closed.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/

attention.

P342 + P311 If experiencing respiratory symptoms: Call a

POISON CENTER or doctor/ physician.

P363 Wash contaminated clothing before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste dis-

posal plant.

# Other hazards

None known.

# SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

azo dyestuff

reactive

# Hazardous components

3	Chemical Name	CAS-No.	Concentration (%)
	1,5-Naphthalenedisulfonic acid, 2-[[6-[(5-chloro-2,6-difluoro-4-pyrimidinyl)amino]-1-hydroxy-3-sulfo-2-naphthalenyl]azo]-, trisodi	72828-73-0	50 - 55

# **SECTION 4. FIRST AID MEASURES**

General advice : Get medical advice/ attention if you feel unwell.

If inhaled : Remove person to fresh air. If signs/symptoms continue, get

medical attention.

In case of skin contact : Immediately flush skin with plenty of water while removing

contaminated clothing. Wash contaminated clothing before reuse. If redness or irritation occurs, seek medical attention.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,

for at least 15 minutes.

Get medical attention immediately if irritation develops and

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persists.

If swallowed : IF SWALLOWED: Immediately call a POISON CENTER or

doctor/ physician.

Most important symptoms and effects, both acute and

delayed

: The possible symptoms known are those derived from the

labelling (see section 2).

No additional symptoms are known.

Notes to physician : None known.

### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : a

Unsuitable extinguishing

media

: No restrictions

Specific hazards during fire-

fighting

: Carbon oxides

Hydrogen chloride

Hydrogen fluoride

Nitrogen oxides (NOx)

Sulphur oxides

Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explains begand

potential dust explosion hazard.

Routine housekeeping should be instituted to ensure that

dusts do not accumulate on surfaces.

Further information : Exercise caution when fighting any chemical fire. Use NIOSH

approved self-contained breathing apparatus and full protec-

tive clothing.

Special protective equipment

for firefighters

: Self-contained breathing apparatus

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Wear suitable protective equipment.

Utilize recommended protective clothing and equipment. Contain spill. Spills should be swept or shoveled up and collected for disposal, avoiding the formation of dust. Clean up may be accomplished by flushing with a limited quantity of water if appropriate or by removal of contaminated soil. Place materi-

al or soil in appropriate waste disposal containers.

Prevent from entering into soil, ditches, sewers, waterways

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and/or groundwater.

Environmental precautions : The product should not be allowed to enter drains, water

courses or the soil.

Methods and materials for containment and cleaning up

: Rinse with water.

After processing, clean all equipment with the following:

Water

# **SECTION 7. HANDLING AND STORAGE**

Advice on protection against

fire and explosion

: Avoid dust formation. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Observe the usual precautionary measures required for chemicals with dust explosive properties (Observe

national regulations).

Advice on safe handling : Handle with due care. Avoid ingestion, inhalation, eye, and

skin contact. The reactive dye in this product has been shown to cause allergic respiratory reactions. A physician should be called if symptoms such as skin rash, runny nose, difficulty in breathing, dizziness or fainting are experienced. Keep container closed when not in use. For industrial use only. Avoid dust formation. Keep away from sources of ignition.

Lead off electrostatic charges.

Conditions for safe storage

: Keep container closed.

# SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Components with workplace control parameters

Engineering measures : Local ventilation recommended - mechanical ventilation may

be used.

Personal protective equipment

Respiratory protection : Use NIOSH approved respiratory protection where exposure

levels exceed regulatory limits for hazardous components

and/or for particulate matter.

Hand protection

Remarks : Butyl Rubber, PVC Or Neoprene.

Eye protection : Safety glasses or chemical splash goggles.

Skin and body protection : Wear suitable protective equipment.

Protective measures : Observe the usual precautions for handling chemicals.

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Hygiene measures

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance

Colour

Odour

Odour Threshold

: not determined
: 7 - 8, Concentration: 30 g/l (20 °C)

Decomposition: no

(1,013 hPa)

Decomposition: no

of applica\* рΗ

Melting point

Boiling point

Flash point

Evaporation rate not tested.

Flammability (solid, gas) not determined

Upper explosion limit not applicable

Lower explosion limit not applicable

Vapour pressure not applicable

Relative vapour density not applicable

Density not tested.

Bulk density approx. 950 kg/m3

Solubility(ies)

: 60 g/l soluble (20 °C) Water solubility

Partition coefficient: n-

octanol/water

: not determined

Auto-ignition temperature : not tested.

: 250 °C Decomposition temperature

Method: isoperibolic decomposition test

260 °C

Method: dynamic decomposition test

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Viscosity

Viscosity, dynamic : not applicable

Viscosity, kinematic : not applicable

Impact sensitivity : Not impact sensitive.

39 J

at 5 kg, 0.8 m

Method: Lütolf test method

### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable

Possibility of hazardous reac-

tions

: Risk of dust explosion.

Conditions to avoid : Strong oxidizing agents

Strong oxidizing agents

Incompatible materials : not known

Hazardous decomposition

products

: When used and handled as intended, none.

# **SECTION 11. TOXICOLOGICAL INFORMATION**

# Information on likely routes of exposure

Eye contact Skin contact Inhalation

# Acute toxicity

**Product:** 

Acute oral toxicity : LD50 (rat): > 2,000 mg/kg

Method: test result of a related preparation.

Acute inhalation toxicity : Remarks: not tested.

Acute dermal toxicity : Remarks: not tested.

### Skin corrosion/irritation

**Product:** 

Species: rabbit

Method: test result of a related preparation.

Result: No skin irritation

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# Serious eye damage/eye irritation

# **Product:**

Species: rabbit

Result: No eye irritation

Method: test result of a related preparation.

# Respiratory or skin sensitisation

# **Product:**

Test Type: Skin

Result: May cause sensitisation by skin contact.

Test Type: respiratory system

Species: Humans

Method: diagnosis in humans

Result: May cause sensitisation by inhalation.

# Germ cell mutagenicity

### **Product:**

Genotoxicity in vitro

Remarks: not tested.

Germ cell mutagenicity -

Assessment

: No information available.

# Carcinogenicity

# Product:

Carcinogenicity - Assess-

: No information available.

ment

**IARC** 

Not listed

**OSHA** 

Not listed

NTP

Not listed

# Reproductive toxicity

# **Product:**

Reproductive toxicity - As-

: No information available.

sessment

# Repeated dose toxicity

# **Product:**

Remarks: not tested.

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# Experience with human exposure

**Product:** 

General Information

: In a few cases, after repeated handling the product has produced respiratory allergies in humans. For this reason inhalation of dust must absolutely be avoided. If complaints of shortness of breath or asthma occur in connection with the handling of this product, see a doctor without delay.

### **Further information**

**Product:** 

Remarks: This pigment has caused respiratory tract allergies in some cases following repeated handling. Persons with corresponding allergy sensitivity should avoid any contact with this sub-

stance

# **SECTION 12. ECOLOGICAL INFORMATION**

# **Ecotoxicity**

**Product:** 

Toxicity to fish

LC50 (Brachydanio rerio (zebrafish)): > 100 mg/l

Exposure time: 96 h

Method: test result of a related preparation.

Toxicity to daphnia and other

aquatic invertebrates

Remarks: not tested.

Toxicity to algae

Remarks: not tested.

Toxicity to bacteria

: IC50 (activated sludge): > 100 mg/l

End point: Bacteria toxicity (respiration inhibition) Method: test result of a related preparation.

# Persistence and degradability

**Product:** 

Biodegradability

: Test Type: aerobic

Method: estimated from the components

Biochemical Oxygen De-

mand (BOD)

: < 10 mg/g

Method: estimated from the components

Chemical Oxygen Demand

: 1,013 mg/g

(COD)

Method: DIN 38409-H-41

Bioaccumulative potential

**Product:** 

Bioaccumulation : Remarks: not tested.

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Mobility in soil

No data available

Other adverse effects

**Product:** 

Environmental fate and

pathways

: Remarks: no data available

Results of PBT and vPvB

assessment

: Remarks: no data available

Additional ecological infor-

mation

: Product contains organic halogen, may contribute to AOX

value

# **SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods

RCRA - Resource Conserva-

tion and Recovery Authoriza-

tion Act Waste Code : No -- Not as sold.

None

Waste from residues

Small quantities may be treated in aerobic wastewater treatment systems. Larger quantities may be incinerated or land-

filled after solidification in permitted systems.

Contaminated packaging : Consider recycling.

# **SECTION 14. TRANSPORT INFORMATION**

DOTnot restrictedIATAnot restrictedIMDGnot restricted

# SECTION 15. REGULATORY INFORMATION

# **EPCRA** - Emergency Planning and Community Right-to-Know Act

# **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 311/312 Hazards

: Acute Health Hazard Chronic Health Hazard

# Drimaren Orange K-3R cdg

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**SARA 302** : SARA 302: No chemicals in this material are subject to the

reporting requirements of SARA Title III, Section 302.

contains no known priority pollutants at concentrations greater than 0.1%.

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

Inventories

AICS (Australia), DSL (Canada)
SHL (Japan). KEO

Volatile organic compounds VOC:

Remarks: not applicable

# **SECTION 16. OTHER INFORMATION**

# Further information

The Drimarene CDG products are dye preparations which are dust free under the conditions of the Heubach Test. Sensitization of the respiratory tract due to dust inhalation that exists with some powder reactive dyes should therefore be largely excluded. If feeling unwell due to inhalation of the product, consult a physician.

This product has not been evaluated for FDA regulatory requirements.

Revision Date : 07/29/2016

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN

Version 2 **Issuing Date** 11/10/2016 Revision Date 11/10/2016

# 1. Identification of the Substance/Preparation and of the Company/Undertaking A THE BLANKS SINCE 1969

**Product Identifier** 

**Product Code** L625D

**Product name** Levafix BrRed E-4BA

Recommended use of the chemical and restrictions on use

**Synonyms** 

Supplier's details

Recommended use Industrial Use Only.

**Details of the Supplier of the Safety Data Sheet** 

Dharma Trading Co.

1805 S. McDowell Blvd. Ext. Petaluma, CA 94954

Telephone: (707) 283-0390 **Emergency Telephone Number** 

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

# 2. Hazards Identification

# Classification

Skin sensitization Category 1B

# **EMERGENCY OVERVIEW**

Signal Word WARNING

Hazard Statements

H317 - May cause an allergic skin reaction



Appearance Red Physical State Powder Odor odorless

**Precautionary Statements -**

**Prevention** 

Avoid breathing dust/fume/gas/mist/vapors/spray Contaminated work clothing should not be allowed out of the workplace Keep/Store away from clothing/

combustible materials

**Precautionary Statements -**

Response

Skin

Get medical advice/attention if you feel unwell

IF ON SKIN: Wash with plenty of soap and water If skin irritation or rash occurs:

Get medical advice/attention Wash contaminated clothing before reuse

L625D / Levafix BrRed E-4BA Revision Date 11/10/2016

**Precautionary Statements -**

Dispose of contents/container to an approved waste disposal plant

Disposal

# **Hazards Not Otherwise Classified (HNOC)**

# OTHER INFORMATION

# **Unknown Acute Toxicity**

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

# 3. Composition/information on Ingredients

Chemical Name	CAS-No	Weight %	Trade secret
C.I. Reactive Red 158	83400-11-7	100%	**

# 4. First aid measures

# First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

**INHALATION** Move to fresh air.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically

# 5. Fire-fighting measures

# Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

# Specific Hazards Arising from the Chemical

No information available.

# **Explosion Data**

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition

source is a potential dust explosion hazard.

# **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

\_\_\_\_\_\_

L625D / Levafix BrRed E-4BA Revision Date 11/10/2016

**Environmental precautions** 

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

# 7. Handling and Storage

# **Precautions for Safe Handling**

Advice on safe handling Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use

personal protection recommended in Section 8.

# Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

Incompatible Products

None known based on information supplied.

# 8. Exposure Controls/Personal Protection

**Control Parameters** 

**Exposure guidelines**This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

**Exposure Controls** 

**Engineering Measures** Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

# Individual protection measures, such as personal protective equipment

**Eye/Face Protection**Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be

provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye

protection.

Skin and Body Protection Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

the product. Wear personal protective equipment.

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# 9. Physical and Chemical Properties

# **Physical and Chemical Properties**

**Physical State** Powder

**Appearance** Red odorless Odor N/A N/A BLANKS

odor threshold No information available

Property **VALUES** 

No information available Hq

melting point No information available

Boiling point/boiling range Not applicable Flash Point

Not applicable **Evaporation Rate VALUE** 

flammability (solid, gas) Not applicable

Flammability Limits in Air

**Upper Flammability Limit** Not applicable Lower Flammability Limit Not applicable

vapor pressure No information available **Vapor Density** No information available Specific gravity No information available Solubility in Other Solvents Not applicable

Partition coefficient: n-octanol/waterNot applicable **Autoignition Temperature** Not applicable decomposition temperature Not applicable No Data Available Kinematic viscosity No information available Dynamic viscosity

**Explosive Properties** Not applicable Not applicable Oxidizing properties

# OTHER INFORMATION

softening point Not applicable

Molecular Weight

**VOC Content(%)** No information available. density No information available

# 10. Stability and Reactivity

### Reactivity

no data available

### **Chemical Stability**

Stable under recommended storage conditions.

# **Hazardous Reactions**

None under normal processing

# Conditions to avoid

Extremes of temperature and direct sunlight.

# incompatible materials

None known based on information supplied.

# Hazardous decomposition products

May emit toxic fumes under fire conditions.

# 11. Toxicological Information

Information on Likely Routes of Exposure

L625D / Levafix BrRed E-4BA Revision Date 11/10/2016

**Product information** Product does not present an acute toxicity hazard based on known or supplied information

**INHALATION** Avoid breathing vapors or mists.

**Eye Contact** Avoid contact with eyes. Avoid contact with skin. Skin Contact

ure BLANKS SINCE 1969 Ingestion Not an expected route of exposure. Do NOT taste or swallow.

# Information on Toxicological Effects

No information available. **Symptoms** 

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

No information available.

May cause sensitization by skin contact. sensitization

No information available. Germ cell mutagenicity Carcinogenicity No information available **Reproductive Toxicity** No information available. No information available. Specific target organ systemic

toxicity (single exposure) Specific target organ systemic

toxicity (repeated exposure)

**Aspiration Hazard** No information available.

# Numerical Measures of Toxicity - Product information

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity **Unknown Acute Toxicity** 

# 12. Ecological Information

### ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

### Persistence and Degradability

No information available.

### **Bioaccumulation**

No information available.

No information available **Other Adverse Effects** 

# 13. Disposal Considerations

Waste treatment

Should not be released into the environment. Dispose of in accordance with local **Waste Disposal Methods** 

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

**Contaminated Packaging** Do not re-use empty containers. Dispose of in accordance with local regulations.

# 14. TRANSPORT INFORMATION

Revision Date 11/10/2016 L625D / Levafix BrRed E-4BA

DOT **NOT REGULATED** Description

MEX

IATA

ART SUPPLIES & CLOTHING BLANKS SINCE 1969 Description

<u>IMDG</u>

Description

<u>RID</u>

ADN

L625D / Levafix BrRed E-4BA Revision Date 11/10/2016

#### 15. Regulatory Information

#### **International Inventories**

TSCA Listed
EINECS/ELINCS Listed
DSL Listed

NDSL Not Determined

PICCS Listed

**ENCS** Not Determined

IECSC Listed AICS Listed

KECL Not Determined NZIoC Not Determined

#### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances **AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

NZIOC - New Zealand Inventory of Chemicals

**REACH registration number**Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

1. ICE 1969

#### **RESTRICTIONS - REACH TITLE VIII** No information available

#### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Acute health hazard YES.
Chronic health hazard NO.
Fire hazard NO.
Sudden Release of Pressure Hazard NO.
Reactive Hazard NO.

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

#### **US State Regulations**

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#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

#### International regulations

#### **CANADA**

#### **WHMIS Note**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### **WHMIS Hazard Class**

D2B Toxic materials



HMIS HEALTH 1 Flammability 1 Physical hazard 0 PERSONAL PROTECTION F

#### 16. Other Information

Revision Date 11/10/2016

**Revision note** No information available.

Restrictions on use No information available.

Contact Information Website WWW.KEYCOLOUR.NET.

**Disclaimer** 

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet** 

# **Safety Data Sheet**

Issuing Date 14-May-2015 Revision Date 14-May-2015 Version 3

#### 1. Identification of the Substance/Preparation and of the Company/Undertaking

**Product Identifier** 

Product Code L619

Product name KEYREACT SCARLET E-2GA DYE

Recommended use of the chemical and restrictions on use

Synonyms N/A

Supplier's details

Recommended use Industrial Use Only.
Uses advised against No information available

**Details of the Supplier of the Safety Data Sheet** 

Dharma Trading Co.

1805 S. McDowell Blvd. Ext.

Petaluma, CA 94954

Telephone: (707) 283-0390 Emergency Telephone Number

USA: 1-800-255-3924 China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

# 2. Hazards Identification

#### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

#### **EMERGENCY OVERVIEW**

#### signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance reddish Physical State Powder Odor No information available

#### precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

#### Hazards Not Otherwise Classified (HNOC)

#### OTHER INFORMATION

**Unknown Acute Toxicity** 

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

#### 3. Composition/information on Ingredients

\_\_\_\_\_\_

#### 4. First aid measures

#### First aid measures for different exposure routes

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

INHALATION Move to fresh air.

A SINCE 1969 **INGESTION** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

**Main Symptoms** No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Notes to physician

#### 5. Fire-fighting measures

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

#### Specific Hazards Arising from the Chemical

No information available.

#### **Explosion Data**

Sensitivity to Mechanical Impact None.

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition Sensitivity to Static Discharge

source is a potential dust explosion hazard.

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

**Environmental Precautions** 

**Environmental Precautions** Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Pick up and transfer to properly labeled containers.

#### 7. Handling and Storage

\_\_\_\_\_

#### **Precautions for Safe Handling**

Advice on safe handling Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use

personal protection recommended in Section 8.

#### Conditions for safe storage, including any incompatibilities

**Technical measures/Storage** 

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

#### 8. Exposure Controls/Personal Protection

**Control Parameters** 

**Exposure guidelines**This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

**Exposure Controls** 

Engineering Measures Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

#### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Avoid contact with eyes. If splashes are likely to occur, wear:. Face-shield. Goggles.

Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving

the wearing of eye protection.

**Skin and Body Protection** Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

**Hygiene Measures** 

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

the product. Wear personal protective equipment.

#### 9. Physical and Chemical Properties

#### **Physical and Chemical Properties**

Physical State

Powder reddish

appearance odor threshold

No information available

Odor No information available

<u>Property</u>

**VALUES** 

Remarks • Method

pH melting point No information available

N/A

TARLANIES SINCE 1969

N/A

N/A

**Boiling point/boiling range**Flash Point
No information available
No information available

**Evaporation Rate** no data available

flammability (solid, gas) no data available no data available

Flammability Limits in Air

Upper Flammability Limit
Lower Flammability Limit
vapor pressure
Vapor Density
Specific gravity
No information available
No information available
No information available
No information available

Solubility in Other Solvents No information available

Partition coefficient: n-octanol/waterNo information available

Autoignition Temperature

decomposition temperature

No Data Available

No information available

Kinematic viscosity

Dynamic viscosity

Explosive Properties

No information available

OTHER INFORMATION

softening point No information available Molecular Weight

VOC Content(%) No information available.

density No information available

### 10. Stability and Reactivity

#### Reactivity

no data available

#### **Chemical Stability**

Stable under recommended storage conditions.

#### **Hazardous Reactions**

None under normal processing

#### Conditions to avoid

Extremes of temperature and direct sunlight.

#### incompatible materials

None known based on information supplied.

#### Hazardous decomposition products

May emit toxic fumes under fire conditions.

#### 11. Toxicological Information

#### Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

**INHALATION** Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

**INGESTION** Not an expected route of exposure. Do NOT taste or swallow.

#### Information on Toxicological Effects

**Symptoms** No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization

Germ cell mutagenicity
carcinogenicity
Reproductive Toxicity
Specific target organ systemic toxicity (single exposure)

No information available.
No information available.
No information available.

Specific target organ systemic toxicity (repeated exposure)
Aspiration Hazard

No information available.

No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

#### 12. Ecological Information

#### ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### Persistence and Degradability

No information available.

#### **Bioaccumulation**

No information available.

Other Adverse Effects No information available

#### 13. Disposal Considerations

**Waste treatment** 

Waste Disposal Methods Should not be released into the environment. Dispose of in accordance with local

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

#### 14. TRANSPORT INFORMATION

DOT

**Description** NOT REGULATED

**MEX** 

**IATA** 

**Description** NOT REGULATED

**IMDG** 

**Description** NOT REGULATED

\_\_\_\_\_\_

ANKS SINCE 1969

#### RID

#### ADN

#### 15. Regulatory Information

#### **International Inventories**

**TSCA** Listed **EINECS/ELINCS** Not Determined DSL Not Determined **NDSL** Not Determined **PICCS** Not Determined Not Determined **ENCS IECSC** Not Determined **AICS** Not Determined Not Determined **KECL NZIoC** Not Determined

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances AICS - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

**REACH registration number** 

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

#### **RESTRICTIONS - REACH TITLE VIII** No information available

#### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO

#### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

#### **US State Regulations**

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

#### International regulations

#### **CANADA**

#### **WHMIS Note**

ANKS SINCE 1969 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### **WHMIS Hazard Class**

Non-controlled

**HMIS** Health Hazard 1 flammability Physical hazard 0 **PERSONAL** PROTECTION F

#### 16. Other Information

14-May-2015 **Revision Date** 

**Revision note** No information available.

Restrictions on use No information available.

WWW.KEYCOLOUR.NET. **Contact Information Website** 

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet** 

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MSDS Number: KS7240

Date of last issue: 10/08/2013 Date of first issue: 09/13/2013

#### **SECTION 1. IDENTIFICATION**

Identification of the com-

pany:

Dharma Trading Co.

1805 S. McDowell Blvd. Ext.

Petaluma, CA 94954

Telephone: (707) 283-0390

Information of the substance/preparation:

Product Stewardship +1 704-353-4120

Emergency tel. number: +1 866-928-0789 (NCEC)

Trade name:

Drimaren Violet K-2RL cdg

Material number:

102109

Chemical family:

azo dyestuff/copper complex

reactive

Recommended use of the chemical and restrictions on use

Recommended use:

textile dye

Recommended restrictions on use:

unknown

#### **SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification** 

Respiratory sensitisation

Category 1

Skin sensitisation

Category 1

Combustible dust

.

**GHS** Label element

Hazard pictograms



Signal word : Danger

Hazard statements : H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing diffi-

culties if inhaled.

May form combustible dust concentrations in air

Precautionary statements

: Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P272 Contaminated work clothing should not be allowed out of

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the workplace.

P280 Wear protective gloves.

P285 In case of inadequate ventilation wear respiratory protec-

tion.

P210 Keep away from heat, hot surfaces, sparks, open flames

and other ignition sources. No smoking.

P243 Take precautionary measures against static discharge.

P233 Keep container tightly closed.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/

attention.

P342 + P311 If experiencing respiratory symptoms: Call a

POISON CENTER or doctor/ physician.

P363 Wash contaminated clothing before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste dis-

posal plant.

#### Other hazards

None known.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

: azo dyestuff/copper complex

reactive

#### Hazardous components

Chemical Name	CAS-No.	Concentration (%)
Copper Complex Dye Mixture		100

#### **SECTION 4. FIRST AID MEASURES**

General advice

: Get medical advice/ attention if you feel unwell.

If inhaled

: Remove person to fresh air. If signs/symptoms continue, get

medical attention.

In case of skin contact

: Wash thoroughly with soap and water for 15 minutes. If skin

irritation occurs, seek medical attention.

In case of eye contact

: Rinse immediately with plenty of water, also under the eyelids,

for at least 15 minutes.

Get medical attention immediately if irritation develops and

persists.

If swallowed : IF SWALLOWED: Immediately call a POISON CENTER or

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doctor/ physician.

Most important symptoms and effects, both acute and

delayed

The possible symptoms known are those derived from the

labelling (see section 2).

No additional symptoms are known.

Notes to physician : None known.

#### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media

: all

Unsuitable extinguishing

media

: No restrictions

Specific hazards during fire-

fighting

: Carbon oxides

Hydrogen chloride

Hydrogen fluoride

Nitrogen oxides (NOx)

Sulphur oxides

Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Routine housekeeping should be instituted to ensure that

dusts do not accumulate on surfaces.

Further information Prevent run off to sewers and bodies of water from fire fighting

involving this product as product contains Clean Water Act

priority pollutants.

Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protec-

tive clothing.

Special protective equipment

for firefighters

: Self-contained breathing apparatus

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emer-

gency procedures

: Wear suitable protective equipment.

Wear proper protective equipment. Product contains heavy metals. Spills should be swept or shoveled up and collected for disposal. Clean-up by removal of contaminated soil or by flushing with a limited quantity of water if appropriate. Place material or contaminated soils in a suitable disposal container.

Environmental precautions : The product should not be allowed to enter drains, water

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courses or the soil.

Methods and materials for containment and cleaning up

: Pick up mechanically. Rinse away rest with water.

After processing, clean all equipment with the following:

Water

#### **SECTION 7. HANDLING AND STORAGE**

Advice on protection against

fire and explosion

: Potential dust explosion hazard.

Advice on safe handling : Handle with due care. Avoid ingestion, inhalation, eye, and

skin contact. The reactive dye in this product has not been shown to cause allergic respiratory reactions, however, since certain other reactive dyes have caused allergic reactions, a physician should be called if symptoms such as skin rash, runny nose, difficulty in breathing, dizziness or fainting are experienced. Keep container closed when not in use. For

industrial use only.

Avoid dust formation. Keep away from sources of ignition.

Lead off electrostatic charges.

Conditions for safe storage

Store in original container. Keep container closed.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
7440-50-8	Copper	TWA	1 mg/m3 (Copper)	ACGIH
C Oak	Further information: Irritation, Gastrointestinal, metal fume fever			
		TWA (dust	1 mg/m3	NIOSH REL
<b>Y</b>		and mists)	(Copper)	
		TWA	1 mg/m3 (Copper)	OSHA Z-1
1		TWA	1 mg/m3 (Copper)	OSHA P0
		TWA	0.2 mg/m3 (Copper)	ACGIH
	Further information: Irritation, Gastrointestinal, metal fume fever			
		TWA	0.1 mg/m3	OSHA Z-1
			(Copper)	
		TWA	0.1 mg/m3 (Copper)	OSHA P0

**Engineering measures** 

: Local ventilation recommended - mechanical ventilation may

be used.

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#### Personal protective equipment

Respiratory protection : None required under normal use. Use NIOSH approved

respiratory protection where exposure levels exceed regula-

tory limits for particulate matter.

Hand protection

Remarks : Butyl Rubber, PVC Or Neoprene.

Eye protection : Safety glasses or chemical splash goggles.

Skin and body protection : Wear suitable protective equipment.

Protective measures : Observe the usual precautions for handling chemicals.

Hygiene measures : Do not breathe dust.

Recently several cases of allergy of the respiratory tract have come to light which have been traced to the sensitizing effect of certain reactive dyes inhaled in dust form. It cannot be ruled out with certainty that the handling of other reactive dyes may also involve a risk of this type, if these dyes are not handled with the care and cleanliness required for all substances in dust form. At present, no recognized test is available for detecting this risk.

For this reason, dust formation must be avoided when handling reactive dyes. If no suitable ventilation or exhaust ventilation equipment is available, dust masks should be worn. Also contact with the skin should be avoided by wearing suitable clothing and protective gloves. Should asthmatic symptoms occur in spite of these measures, a physician must be consulted. Sensitized persons should be transferred to an-

other workplace.

Although no cases of sensitization due to handling solutions of reactive dyes have become known, the above statements and recommendations also apply correspondingly to aerosols

with reactive dve solutions.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Granules

Colour : violet

Odour : none

Odour Threshold : not determined

pH : 5 - 6, Concentration: 10 g/l (20 °C)

Melting point : not applicable 100 °C

Decomposition: no

Boiling point : Decomposition: no

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(1,013 hPa) Flash point

Evaporation rate : not tested.

: no reaction up to 360 °C Flammability (solid, gas)

ed dust. Method: Sandoz Ignition test of deposited dust.

Upper explosion limit : not applicable

Lower explosion limit : not applicable

Vapour pressure not applicable

Relative vapour density not applicable

Density not tested.

Bulk density approx. 490 kg/m3

Solubility(ies)

Water solubility 100 g/l soluble

Partition coefficient: n-

octanol/water

not determined

Auto-ignition temperature not tested.

Decomposition temperature

220 °C

Method: isoperibolic decomposition test

220 °C

Method: dynamic decomposition test

Viscosity

Viscosity, dynamic : not applicable

Viscosity, kinematic not applicable

Impact sensitivity Not impact sensitive.

39 J

at 5 kg, 0.8 m

Method: Lütolf test method

#### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable

Possibility of hazardous reac-

When used and handled as intended, none. tions

Stable

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CHCE 1969

Conditions to avoid

: Strong oxidizing agents

Incompatible materials

: not known

Hazardous decomposition

: When used and handled as intended, none.

products

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

#### Information on likely routes of exposure

Eye contact Skin contact Inhalation

#### Acute toxicity

#### **Product:**

Acute oral toxicity : LD50 (rat): > 2,000 mg/kg

Method: Calculation method

Remarks: The product has not been tested. The information is derived from the properties of the individual components.

Acute inhalation toxicity

: Remarks: not tested.

Acute dermal toxicity

: Remarks: not tested.

#### Skin corrosion/irritation

#### Product:

Species: rabbit

Result: No skin irritation

Remarks: The product has not been tested. The information is derived from the properties of the

individual components.

#### Serious eye damage/eye irritation

#### **Product:**

Species: rabbit

Result: No eye irritation

Remarks. The product has not been tested. The information is derived from the properties of the

individual components.

#### Respiratory or skin sensitisation

#### **Product:**

Test Type: Skin Species: guinea pig

Method: OECD Test Guideline 406

Result: May cause sensitisation by skin contact. Remarks: Information refers to the main component.

Test Type: respiratory system

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Species: Humans

Method: diagnosis in humans

Result: May cause sensitisation by skin contact. Remarks: Information refers to the main component.

#### Germ cell mutagenicity

**Product:** 

Genotoxicity in vitro : Remarks: not tested.

Germ cell mutagenicity -

Assessment

: No information available.

Carcinogenicity

**Product:** 

Carcinogenicity - Assess-

: No information available.

ment

**IARC** Not listed

**OSHA** Not listed

**NTP** Not listed

Reproductive toxicity

**Product:** 

Reproductive toxicity -

sessment

No information available.

Repeated dose toxicity

**Product:** 

Remarks: not tested.

Experience with human exposure

**Product:** 

: In a few cases, after repeated handling the product has pro-General Information

> duced respiratory allergies in humans. For this reason inhalation of dust must absolutely be avoided. If complaints of shortness of breath or asthma occur in connection with the han-

dling of this product, see a doctor without delay.

**SECTION 12. ECOLOGICAL INFORMATION** 

**Ecotoxicity** 

**Product:** 

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S SINCE 1969 Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l

Exposure time: 48 h Method: evaluated

Toxicity to daphnia and other

aquatic invertebrates

Remarks: not tested.

Toxicity to algae

Remarks: not tested.

Toxicity to bacteria : IC50 (activated sludge): > 100 mg/l

End point: Bacteria toxicity (respiration inhibition)

Method: evaluated

Persistence and degradability

**Product:** 

Biodegradability : Test Type: aerobic

TOC

Method: estimated from the components

Biochemical Oxygen De-

mand (BOD)

6 mg/g

Incubation time: 5 d

Method: SANDOZ internal test

Chemical Oxygen Demand

(COD)

1,440 mg/g

Method: SANDOZ internal test

Bioaccumulative potentia

**Product:** 

Bioaccumulation Remarks: not tested.

Mobility in soil No data available

Other adverse effects

**Product:** 

Environmental fate and

pathways

: Remarks: no data available

Results of PBT and vPvB

assessment

: Remarks: no data available

Adsorbed organic bound

Additional ecological infor-

halogens (AOX)

: 1,8 % (CI) Remarks: <\*\* Phrase does not exist: calcu - \*\*>

mation

: Product contains organic halogen, may contribute to AOX

value

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#### **SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods

RCRA - Resource Conservation and Recovery Authoriza-

: No -- Not as sold.

tion Act

Waste Code

: None

Waste from residues

: Small quantities may be treated in aerobic wastewater treatment systems. Larger quantities may be incinerated or land-

filled after solidification in permitted systems.

Contaminated packaging

: Consider recycling.

#### **SECTION 14. TRANSPORT INFORMATION**

DOT not restrictedIATA not restrictedIMDG not restricted

#### **SECTION 15. REGULATORY INFORMATION**

#### **EPCRA - Emergency Planning and Community Right-to-Know Act**

#### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 311/312 Hazards

: Acute Health Hazard

**SARA 302** 

: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** 

This product contains toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right- To-Know Act of 1986 and 40 CFR 372. Any such toxic chemical(s) are shown below. This information must be included in all MSDS's that are copied and distributed

for this material.

Copper

7440-50-8

2.9 %

CMCE 1969

Copper Compound

39.9 %

#### **Clean Water Act**

Contains priority pollutant copper at concentrations greater than 0.1%.

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

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#### Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

#### **SECTION 16. OTHER INFORMATION**

#### **Further information**

The Drimarene CDG products are dye preparations which are dust free under the conditions of the Heubach Test. Sensitization of the respiratory tract due to dust inhalation that exists with some powder reactive dyes should therefore be largely excluded. If feeling unwell due to inhalation of the product, consult a physician.

This product has not been evaluated for FDA regulatory requirements.

Revision Date : 09/19/2015

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US / EN

# Safety Data Sheet

Issuing Date 14-May-2015 Revision Date 14-May-2015 Version 3

#### 1. Identification of the Substance/Preparation and of the Company/Undertaking

**Product Identifier** 

**Product Code** 

AND BLANKS INCE 1969 **Product name** KEYREACT TURQUOISE BLUE VS-G

Recommended use of the chemical and restrictions on use

Synonyms

Supplier's details

Recommended use Industrial Use Only. No information available Uses advised against

#### **Details of the Supplier of the Safety Data Sheet**

Dharma Trading Co.

1805 S. McDowell Blvd. Ext.

Petaluma, CA 94954

Telephone: (707) 283-0390 **Emergency Telephone Number** 

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

#### 2. Hazards Identification

#### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

#### **EMERGENCY OVERVIEW**

#### signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance bluish-green Physical State Liquid **Odor** No information available

#### precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/sprav

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

#### Hazards Not Otherwise Classified (HNOC)

#### OTHER INFORMATION

**Unknown Acute Toxicity** 

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

#### 3. Composition/information on Ingredients

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### 4. First aid measures

#### First aid measures for different exposure routes

APPE **Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

INHALATION Move to fresh air.

**INGESTION** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

No information available. **Main Symptoms** 

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

#### 5. Fire-fighting measures

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

#### Specific Hazards Arising from the Chemical

No information available.

**Explosion Data** 

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

**Protective Equipment and Precautions for Firefighters** 

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

**Environmental Precautions** 

**Environmental Precautions** Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other **Methods for Cleaning Up** 

noncombustible absorbent material. Take up mechanically, placing in appropriate

containers for disposal. Clean contaminated surface thoroughly.

#### 7. Handling and Storage

#### **Precautions for Safe Handling**

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of Advice on safe handling

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use

personal protection recommended in Section 8.

#### Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

None known based on information supplied. Incompatible Products

#### 8. Exposure Controls/Personal Protection

**Control Parameters** 

This product, as supplied, does not contain any hazardous materials with occupational **Exposure guidelines** 

exposure limits established by the region specific regulatory bodies

**Exposure Controls** 

Showers **Engineering Measures** 

**Evewash stations** 

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

#### Individual protection measures, such as personal protective equipment

If splashes are likely to occur, wear:. Face-shield. Goggles. **Eye/Face Protection** 

Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious **Skin and Body Protection** 

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

N/A

the product. Wear personal protective equipment.

#### 9. Physical and Chemical Properties

#### **Physical and Chemical Properties**

**Physical State** 

appearance bluish--green Odor No information available

odor threshold No information available

VALUES Remarks • Method Property

melting point

No information available Hq

No information available

Boiling point/boiling range Flash Point 121 °C / 250 °F

ANKS SINCE 1969

\_\_\_\_\_

N/A

N/A

Evaporation Rate no data available no data available no data available no data available

Flammability Limits in Air

Upper Flammability Limit
Lower Flammability Limit
vapor pressure
Vapor Density
Specific gravity
No information available
No information available
No information available
No information available

Solubility in Other Solvents No information available

Partition coefficient: n-octanol/waterNo information available

Autoignition Temperature No Data Available

decomposition temperatureNo information availableKinematic viscosityNo Data AvailableDynamic viscosityNo information availableExplosive PropertiesNo information availableOxidizing propertiesNo information available

#### **OTHER INFORMATION**

softening point Molecular Weight VOC Content(%) No information available

No information available. No information available

#### 10. Stability and Reactivity

#### Reactivity

density

no data available

#### **Chemical Stability**

Stable under recommended storage conditions.

#### **Hazardous Reactions**

None under normal processing

#### Conditions to avoid

Extremes of temperature and direct sunlight.

#### incompatible materials

None known based on information supplied.

#### **Hazardous decomposition products**

May emit toxic fumes under fire conditions.

#### 11. Toxicological Information

#### Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

**INHALATION** Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

**INGESTION** Not an expected route of exposure. Do NOT taste or swallow.

#### Information on Toxicological Effects

**Symptoms** No information available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization No information available. Germ cell mutagenicity No information available. carcinogenicity No information available. **Reproductive Toxicity** No information available. Specific target organ systemic No information available. toxicity (single exposure)

Specific target organ systemic toxicity (repeated exposure) **Aspiration Hazard** 

No information available. No information available.

Numerical Measures of Toxicity - Product information

**Unknown Acute Toxicity** 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

#### 12. Ecological Information

#### ecotoxicity

arent Alk 100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### Persistence and Degradability

No information available.

#### **Bioaccumulation**

No information available.

Other Adverse Effects No information available

#### 13. Disposal Considerations

Waste treatment

Should not be released into the environment. Dispose of in accordance with local **Waste Disposal Methods** 

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

**Contaminated Packaging** Do not re-use empty containers. Dispose of in accordance with local regulations.

#### 14. TRANSPORT INFORMATION

DOT

**NOT REGULATED** Description

**MEX** 

**IATA** 

Description **NOT REGULATED** 

**IMDG** 

**NOT REGULATED** Description

RID

ASINCE 1969

#### ADN

#### 15. Regulatory Information

#### **International Inventories**

TSCA Listed
EINECS/ELINCS Listed
DSL Listed

NDSL Not Determined

PICCS Listed
ENCS Listed
IECSC Listed
AICS Listed
KECL Listed

NZIoC Not Determined

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances **IECSC** - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

REACH registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII No information available

#### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Acute health hazard NO.
Chronic health hazard NO.
Fire hazard NO.
Sudden Release of Pressure Hazard NO.
Reactive Hazard NO.

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

SUNCE 1969

#### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

#### International regulations

Mexico - Grade Slight risk, Grade 1.

#### **CANADA**

#### **WHMIS Note**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### **WHMIS Hazard Class**

Non-controlled

HMIS Health Hazard 1 flammability 1 Physical hazard 0 PERSONAL PROTECTION H

#### 16. Other Information

Revision Date 14-May-2015

Revision note No information available.

Restrictions on use No information available.

Contact Information Website WWW.KEYCOLOUR.NET.

**Disclaimer** 

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet** 

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# Safety Data Sheet

Revision Date 10/27/2016 Version 2 Issuing Date 10/27/2016

# 1. Identification of the Substance/Preparation and of the Company/Undertaking A THE BLANKS SINCE 1969

**Product Identifier** 

I 237 **Product Code** 

**Product name** Novacron® Brilliant Blue E-G

Recommended use of the chemical and restrictions on use

**Synonyms** 

Supplier's details

Recommended use Industrial Use Only.

**Details of the Supplier of the Safety Data Sheet** 

Dharma Trading Co.

1805 S. McDowell Blvd. Ext. Petaluma, CA 94954

Telephone: (707) 283-0390 **Emergency Telephone Number** 

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

#### 2. Hazards Identification

#### Classification

Category 1 Serious eye damage/eye irritation

#### **EMERGENCY OVERVIEW**

Signal Word DANGER

**Hazard Statements** 

H318 - Causes serious eye damage



Appearance powdery violet granules

Physical State Powder

**Odor** No information available

**Precautionary Statements -**

Prevention

Wear eye protection/ face protection

**Precautionary Statements -**

Response

**Eyes** 

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON

CENTER or doctor

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#### **Hazards Not Otherwise Classified (HNOC)**

#### OTHER INFORMATION

#### 3. Composition/information on Ingredients

Chemical Name	CAS-No	Weight %	Trade secret
6,13-Dichloro-3,[0-bis[2-[4-fluoro-6-(2-sulfophenyla mino)-[1,3,5]triazin-2-ylamino]-propylamino]-benzo[5,6][1,4]oxazineo[2,3-b]phenoxazine-4,11-disulfonic acid, lithium, sodium salt		100%	

#### 4. First aid measures

#### First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

**INHALATION** Move to fresh air.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically

#### 5. Fire-fighting measures

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

#### Specific Hazards Arising from the Chemical

No information available.

**Explosion Data** 

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition

source is a potential dust explosion hazard.

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

**Environmental precautions** 

\_\_\_\_\_\_

**Environmental precautions** 

Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** 

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

#### 7. Handling and Storage

#### **Precautions for Safe Handling**

Advice on safe handling

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

#### Conditions for safe storage, including any incompatibilities

**Technical measures/Storage** 

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

**Incompatible Products** 

None known based on information supplied.

#### 8. Exposure Controls/Personal Protection

**Control Parameters** 

**Exposure guidelines** 

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Exposure Controls** 

**Engineering Measures** 

Showers

**Evewash stations** 

Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

#### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** 

Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

**Skin and Body Protection** 

Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory Protection** 

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures** 

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

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#### 9. Physical and Chemical Properties

#### **Physical and Chemical Properties**

**Physical State** Powder

**Appearance** powdery violet granules No information available Odor

odor threshold No information available

N/A N/A BLANKS SINCEL 1969 VALUES **Property** 

7.0 - 7.5 pН

melting point Boiling point/boiling range No information available

**Flash Point** Not applicable

**Evaporation Rate VALUE** Not applicable

Not applicable flammability (solid, gas)

Flammability Limits in Air

**Upper Flammability Limit** Not applicable **Lower Flammability Limit** Not applicable

vapor pressure No information available **Vapor Density** No information available Specific gravity No information available

Solubility in Other Solvents Not applicable Partition coefficient: n-octanol/waterNot applicable **Autoignition Temperature** 300 °C decomposition temperature Not applicable Kinematic viscosity No Data Available **Dvnamic viscosity** No information available

**Explosive Properties** Not applicable **Oxidizing properties** Not applicable

OTHER INFORMATION

softening point Not applicable

Molecular Weight

No information available. VOC Content(%) No information available density

**Bulk density** 0.46 g/cm3

## 10. Stability and Reactivity

Reactivity

no data available

**Chemical Stability** 

Stable under recommended storage conditions.

**Hazardous Reactions** 

None under normal processing

**Conditions to avoid** 

Extremes of temperature and direct sunlight.

incompatible materials

None known based on information supplied.

**Hazardous decomposition products** 

May emit toxic fumes under fire conditions.

#### 11. Toxicological Information

Information on Likely Routes of Exposure

**Product information** Product does not present an acute toxicity hazard based on known or supplied information

Avoid breathing vapors or mists. **INHALATION** 

**Eye Contact** Corrosive to the eyes and may cause severe damage including blindness.

Avoid contact with skin. **Skin Contact** 

Not an expected route of exposure. Do NOT taste or swallow. Ingestion

Information on Toxicological Effects

No information available. **Symptoms** 

ALANIES SINCE 1969 Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization No information available. Germ cell mutagenicity No information available. Carcinogenicity No information available Reproductive Toxicity No information available. Specific target organ systemic No information available.

toxicity (single exposure) Specific target organ systemic

toxicity (repeated exposure)

No information available.

**Aspiration Hazard** No information available.

Numerical Measures of Toxicity - Product information

#### 12. Ecological Information

#### ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### Persistence and Degradability

No information available.

#### **Bioaccumulation**

No information available.

No information available Other Adverse Effects

#### 13. Disposal Considerations

Waste treatment

**Waste Disposal Methods** Should not be released into the environment. Dispose of in accordance with local

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

**Contaminated Packaging** Do not re-use empty containers. Dispose of in accordance with local regulations.

#### 14. TRANSPORT INFORMATION

DOT

**NOT REGULATED** Description

MEX

IATA

**NOT REGULATED** Description

**IMDG** 

Printe Blanks Since 1969 Description **NOT REGULATED** 

<u>RID</u>

ADN

7. ACE 1969

#### 15. Regulatory Information

#### **International Inventories**

TSCA Listed
EINECS/ELINCS Listed
DSL Listed

NDSL Not Determined

PICCS Listed

**ENCS** Not Determined

IECSC Listed

AICS Not Determined
KECL Not Determined
NZIOC Not Determined

#### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

**REACH** registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

#### **RESTRICTIONS - REACH TITLE VIII** No information available

#### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Acute health hazard YES.
Chronic health hazard NO.
Fire hazard NO.
Sudden Release of Pressure Hazard NO.
Reactive Hazard NO.

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

#### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

#### International regulations

#### **CANADA**

#### **WHMIS Note**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### **WHMIS Hazard Class**

Non-controlled

**HMIS HEALTH** 1 Flammability 1 Physical hazard 0 **PERSONAL** 

**PROTECTION** F

#### 16. Other Information

10/27/2016 **Revision Date** 

No information available. **Revision note** Restrictions on use No information available.

**Contact Information Website** 

WWW.DYES.COM.

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet** 

## Safety Data Sheet

Version 2 **Issuing Date** 11/10/2016 Revision Date 11/10/2016

# 1. Identification of the Substance/Preparation and of the Company/Undertaking HING BLANKS SINCE 1969

**Product Identifier** 

**Product Code** 1232

**Product name** LEVAFIX ROYAL BLUE EFR

Recommended use of the chemical and restrictions on use

**Synonyms** 

Supplier's details

Recommended use Industrial Use Only.

**Details of the Supplier of the Safety Data Sheet** 

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954

Telephone: (707) 283-0390 **Emergency Telephone Number** 

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

### 2. Hazards Identification

### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### **EMERGENCY OVERVIEW**

Signal Word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Blue

Physical State Powder

Odor odorless

### **Hazards Not Otherwise Classified (HNOC)**

### OTHER INFORMATION

**Unknown Acute Toxicity** 

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

### 3. Composition/information on Ingredients

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### 4. First aid measures

L232 / LEVAFIX ROYAL BLUE EFR Revision Date 11/10/2016

### First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

**INHALATION** Move to fresh air.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

### Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

### 5. Fire-fighting measures

### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

### **Specific Hazards Arising from the Chemical**

No information available.

### **Explosion Data**

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition

source is a potential dust explosion hazard.

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

**Environmental precautions** 

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

1, NCE 1969

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

### 7. Handling and Storage

### **Precautions for Safe Handling**

Advice on safe handling

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

### Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

**Incompatible Products** 

None known based on information supplied.

### 8. Exposure Controls/Personal Protection

Control Parameters

**Exposure guidelines** 

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Exposure Controls** 

**Engineering Measures** 

Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

### Individual protection measures, such as personal protective equipment

Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be **Eye/Face Protection** 

provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye

protection.

Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious **Skin and Body Protection** 

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved **Respiratory Protection** 

respiratory protection should be worn.

**Hygiene Measures** 

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

N/A

### 9. Physical and Chemical Properties

### **Physical and Chemical Properties**

**Physical State** Powder

Appearance Blue Odor odorless

odor threshold No information available

VALUES Property Remarks • Method

На melting point

No information available

Boiling point/boiling range Flash Point

**Evaporation Rate VALUE** 

No information available

Not applicable Not applicable

Revision Date 11/10/2016

ATHE SINCE 1969

### L232 / LEVAFIX ROYAL BLUE EFR

flammability (solid, gas) Not applicable Not applicable

Flammability Limits in Air

**Upper Flammability Limit** Not applicable **Lower Flammability Limit** Not applicable

No information available vapor pressure Vapor Density No information available Specific gravity No information available

Solubility in Other Solvents

Not applicable Partition coefficient: n-octanol/waterNot applicable

Not applicable N/A **Autoignition Temperature** 

decomposition temperature Not applicable No Data Available Kinematic viscosity Dynamic viscosity No information available

Not applicable **Explosive Properties** Not applicable Oxidizing properties

### OTHER INFORMATION

softening point Not applicable Molecular Weight

**VOC Content(%)** No information available. density No information available

### 10. Stability and Reactivity

N/A

### Reactivity

no data available

### **Chemical Stability**

Stable under recommended storage conditions.

### **Hazardous Reactions**

None under normal processing

### Conditions to avoid

Extremes of temperature and direct sunlight.

### incompatible materials

None known based on information supplied.

### **Hazardous decomposition products**

May emit toxic fumes under fire conditions.

### 11. Toxicological Information

### Information on Likely Routes of Exposure

**Product information** Product does not present an acute toxicity hazard based on known or supplied information

INHALATION Avoid breathing vapors or mists.

**Eye Contact** Avoid contact with eyes. **Skin Contact** Avoid contact with skin.

Ingestion Not an expected route of exposure. Do NOT taste or swallow.

### Information on Toxicological Effects

**Symptoms** No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization No information available. No information available. Germ cell mutagenicity Carcinogenicity No information available **Reproductive Toxicity** No information available. No information available.

Specific target organ systemic toxicity (single exposure) Specific target organ systemic toxicity (repeated exposure)

No information available.

**Aspiration Hazard** No information available.

Numerical Measures of Toxicity - Product information

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity **Unknown Acute Toxicity** 

### 12. Ecological Information

### ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

### Persistence and Degradability

No information available.

### Bioaccumulation

No information available.

Other Adverse Effects No information available

### 13. Disposal Considerations

Waste treatment

Should not be released into the environment. Dispose of in accordance with local **Waste Disposal Methods** 

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

Do not re-use empty containers. Dispose of in accordance with local regulations. **Contaminated Packaging** 

### 14. TRANSPORT INFORMATION

DOT

NOT REGULATED Description

MEX

**IATA** 

**NOT REGULATED** Description

**IMDG** 

**NOT REGULATED** Description

RID



7. ACE 1969

### 15. Regulatory Information

### **International Inventories**

TSCA Listed

**EINECS/ELINCS** Not Determined DSL Not Determined **NDSL** Not Determined Not Determined **PICCS ENCS** Not Determined **IECSC** Not Determined **AICS** Not Determined **KECL** Not Determined Not Determined **NZIoC** 

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

REACH registration number Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

### **RESTRICTIONS - REACH TITLE VIII** No information available

### **US Federal Regulations**

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### SARA 311/312 Hazard Categories

Acute health hazard NO.
Chronic health hazard NO.
Fire hazard NO.
Sudden Release of Pressure Hazard NO.
Reactive Hazard NO.

### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### **US State Regulations**

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

### U.S. State Right-to-Know Regulations

### International regulations

### **CANADA**

### **WHMIS Note**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### **WHMIS Hazard Class**

Non-controlled

**HMIS HEALTH** 1 Flammability 1 Physical hazard 0 **PERSONAL** 

**PROTECTION** F

### 16. Other Information

**Revision Date** 11/10/2016

**Revision note** No information available

No information available Restrictions on use

WWW.KEYCOLOUR.NET. **Contact Information Website** 

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet** 

# Safety Data Sheet

**Issuing Date** 14-May-2015 Revision Date 14-May-2015 Version 3

### 1. Identification of the Substance/Preparation and of the Company/Undertaking

**Product Identifier** 

**Product Code** 

All BLANKS INCE 1969 **Product name** KEYREACT LEVAFIX NAVY E-BNA DYE

Recommended use of the chemical and restrictions on use

Synonyms

Supplier's details

Recommended use Industrial Use Only. No information available Uses advised against

### **Details of the Supplier of the Safety Data Sheet**

Dharma Trading Co.

1805 S. McDowell Blvd. Ext.

Petaluma, CA 94954

Telephone: (707) 283-0390 **Emergency Telephone Number** 

USA: 1-800-255-3924 China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

### 2. Hazards Identification

### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### **EMERGENCY OVERVIEW**

### signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance bluish powder Physical State Powder **Odor** No information available

### precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/sprav

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

### Hazards Not Otherwise Classified (HNOC)

### OTHER INFORMATION

**Unknown Acute Toxicity** 

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

### 3. Composition/information on Ingredients

### 4. First aid measures

### First aid measures for different exposure routes

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

INHALATION Move to fresh air.

NAS SINCE 1969 **INGESTION** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

**Main Symptoms** No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Notes to physician

### 5. Fire-fighting measures

### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

### Specific Hazards Arising from the Chemical

No information available.

### **Explosion Data**

Sensitivity to Mechanical Impact None.

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition Sensitivity to Static Discharge

source is a potential dust explosion hazard.

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

**Environmental Precautions** 

**Environmental Precautions** Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Pick up and transfer to properly labeled containers.

### 7. Handling and Storage

Precautions for Safe Handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use

personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

**Technical measures/Storage** 

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

8. Exposure Controls/Personal Protection

**Control Parameters** 

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

**Exposure Controls** 

Engineering Measures Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Avoid contact with eyes. If splashes are likely to occur, wear:. Face-shield. Goggles.

Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving

the wearing of eye protection.

**Skin and Body Protection** Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

the product. Wear personal protective equipment.

9. Physical and Chemical Properties

**Physical and Chemical Properties** 

Physical State Powder

appearance bluish powder Odor No information available

odor threshold No information available

Property VALUES Remarks • Method

pH No information available

melting point N/A

TARLANIES SINCE 1969

Roiling point/hailing range No information available

N/A

N/A

Boiling point/boiling range

Flash Point

No information available

No information available

**Evaporation Rate** no data available

flammability (solid, gas) no data available no data available

Flammability Limits in Air

Upper Flammability Limit
Lower Flammability Limit
vapor pressure
Vapor Density
Specific gravity
No information available
No information available
No information available
No information available

Solubility in Other Solvents No information available

Partition coefficient: n-octanol/waterNo information available

Autoignition Temperature

decomposition temperature

No Data Available

No information available

Kinematic viscosity

Dynamic viscosity

Explosive Properties

No information available

OTHER INFORMATION

softening point No information available Molecular Weight

VOC Content(%) No information available. No information available

### 10. Stability and Reactivity

### Reactivity

no data available

### **Chemical Stability**

Stable under recommended storage conditions.

### **Hazardous Reactions**

None under normal processing

### Conditions to avoid

Extremes of temperature and direct sunlight.

### incompatible materials

None known based on information supplied.

### **Hazardous decomposition products**

May emit toxic fumes under fire conditions.

### 11. Toxicological Information

### Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

**INHALATION** Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

**INGESTION** Not an expected route of exposure. Do NOT taste or swallow.

### Information on Toxicological Effects

**Symptoms** No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No information available.

sensitization

Germ cell mutagenicity
carcinogenicity

Reproductive Toxicity
Specific target organ systemic toxicity (single exposure)

No information available.
No information available.
No information available.

Specific target organ systemic toxicity (repeated exposure)

Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

### 12. Ecological Information

### ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

### Persistence and Degradability

No information available.

### **Bioaccumulation**

No information available.

Other Adverse Effects No information available

### 13. Disposal Considerations

**Waste treatment** 

Waste Disposal Methods Should not be released into the environment. Dispose of in accordance with local

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

### 14. TRANSPORT INFORMATION

DOT

**Description** NOT REGULATED

<u>MEX</u>

**IATA** 

**Description** NOT REGULATED

**IMDG** 

**Description** NOT REGULATED

\_\_\_\_\_\_

ANYS SINCE 1969

### RID

### ADN

### 15. Regulatory Information

### **International Inventories**

TSCA	Listed
EINECS/ELINCS	Not Determined
DSL	Not Determined
NDSL	Not Determined
PICCS	Not Determined
ENCS	Not Determined
IECSC	Not Determined
AICS	Not Determined
KECL	Not Determined
NZIoC	Not Determined

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

**REACH** registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

### **RESTRICTIONS - REACH TITLE VIII** No information available

### **US Federal Regulations**

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### SARA 311/312 Hazard Categories

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### **US State Regulations**

### California Proposition 65

This product does not contain any Proposition 65 chemicals

### U.S. State Right-to-Know Regulations

### International regulations

### **CANADA**

### **WHMIS Note**

ANKS SINCE 1969 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### **WHMIS Hazard Class**

Non-controlled

**HMIS** Health Hazard 1 flammability Physical hazard 0 **PERSONAL** PROTECTION F

### 16. Other Information

14-May-2015 **Revision Date** 

**Revision note** No information available.

Restrictions on use No information available.

WWW.KEYCOLOUR.NET. **Contact Information Website** 

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet** 

### SAFETY DATA SHEET

### PRINT DATE:1/17/17

### 1. PRODUCT IDENTIFICATION

PRODUCT NAME ......PERMABRIL GREY C-KG

PRODUCT CODE NUMBER . 608000S100P006

ATION SINCE 1969 CHEMICAL FAMILY ......AZO-METAL COMPLEX DYESTUFF PREPARATION

T.S.C.A. STATUS ......COMPLIANCE

RECOMENED PRODUCT USE.....TEXTILE MANUFACTURING

RESTRICTED PRODUCT USE....FOR INDUSTRIAL USE ONLY

MANUFACTURED BY..... Dharma Trading Co.

1805 S. McDowell Blvd. Ext.

Petaluma, CA 94954

Telephone: (707) 283-0390

EMERGENCY PHONE NUMBER, CHEMTREC: 800/424-9300

### 2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 5-Oral Acute Toxicity

Pictogram:

NONE

Signal Word:

Warning

Hazard Statements: H303: May be Harmful if Swallowed

Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.

P280: Wear protective gloves/ protective clothing/eye protection/face protection

P270: Do not eat, drink, or smoke when using this product.

P260: Do not breath dust/fume/gas/mist/vapors/spray

P273: Avoid release to the environment

P305 + P351 + P338 1F IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable

position for breathing.

### 3. COMPOSITION/INFORMATIONS ON INGREDIENTS

Proprietary Azo-Metal complex mixture 40 - 50 % May be harieful if swallowed

The exact percentages and the composition of materials, have been withhold as a trade secret,

### 4. FIRST-AID MEASURES.

GENERAL INFORMATI	ON: IMMODIATELY REMOVE ALL CONTAMINATED CLOTHING	b
EYU CONTACT	Wash immediately with large amounts of waterfor 15 minutes, lifting the upper and	
	lower lids until no evidence of product remain. Get medical attention immediately, not wear contact lenses while handling	13
	Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic	
	contact dermatitis. Launder contaminated elothing helore reuse.	
INGESTION	Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions	
INHALATION	If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician	/

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACTUR AND DELAYED.

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11.

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED. No data available

### 5. FIREFIGHTING MEASURES

Firefighters should be equipped with protective clothing & self-coragined breathing apparatus to protect against potentially toxic & irritating formes. In case of fire or explosion, keep numerossary people away. Isolate hazard area & any entry, Stay upwind, out of low areas, and ventilate closed spaces before entering.

### 6. ACCIDENTAL RELEASE MEASURES

### IN CASE MATERIAL IS RELEASED/SPILLED:

Do not empty into drains or waters. Do not touch to walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled scalable containers. For further disposal measures see section 13.

### 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SACE HANDLING

In accord with good industrial practice. Hundle with care and avoid personal contact.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBLITIES

Keep container protected from direct similight in a dry, cool and in a well ventilated area.

Keep the container tightly sealed and away from any incompatible materials (see Section 10)...

### 8. EXPOSURE CONTROLS@ERSONAL PROTECTION

### APPROPRIATE ENGINEERING CONTROLS.

Handle with good industrial practices and industrial hygiene. Wash hands after use.

GENERAL PROTECTIVE MEASURES: Avoid contact with eyes and skin. Immediately remove all

contaminated elothing.

EYE PROTECTION ...... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ...... Employees should avoid skin contact by wearing protective clothing. Long sleeve

skirts, pacts, gloves e.g. of PVC or nitrile robber, and boots are recommended.

Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from

food and drink stuffs.

of a NIOSH approved dust respirator.

VENTILATION ...... Use local ventilation.

OTHER ...... Wear overalls, apron or other prospetive clothing

### 9. PHYSICAL DATA

APPEARANCE ...... POWDER COLOR ...... BLACK

ODOR THRESHOLD......NA

SOLUBILITY IN WATER ...... > 100 g/l & 60C

BULK DENSITY ......ND

RELATIVE DENSITY......No.

pH \_\_\_\_\_ 5.0 - 7.5 1.0 %

MELTING POINT/FREEZING POINT......NA

PARTITION COEFFICIENT: N-OCTANOL/WATER......ND

BOILING POINT......NA

VAPOR PRESSURE. .... ... .....NA

VAPOR DENSITY.....NA

EVAPORATION RATES......NA

FLAMMABILELY.....NA

FLASH POINT......NA

DECOMPOSITION TEMPERATURE....ND

UBL......NA

LEL.....NA

% VOLATILE: VALUE: ND

UNIT: %

COMMENT:

10E 1969

### 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS RUACTIONS: None expected.

INCOMPATABLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS.......CO2, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID, ....... Avoid desting conditions and sparks/flame.

REACTIVITY .... Will not occur

### II. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).......>2000 mg/L (rats)

EYE ELFECTS ..... NON IRRITANT (RABBIT EYE), C

SKIN EFFECTS ....... NON-IRRITANT (RABBIT)

SENSULIZATION ...... (GUINEA PIG).

PRIMARY ROUTE OF EXPOSURE

INHAUATION:

SKIN ABSORPTION:

S0.

INGESTION: NO

SKIN CONTACT:

YES

YES

EYE CONTACT:

VICE

CARCINOGEN STATUS

IARC:

NO

NTP: NO

OSHA: ONO

ACGIH: NO

HMIS: 100E

LIFFECTS OF OVEREXPOSURE

None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract...

MEDICAL CONDITIONS AGGRAVATED.

Personal with any pre-existing skin or eye conditions may be more susceptible to the effects of this product.

### 12. ECOLOGICAL INFORMATION

BIODEGRADABILITY:

ND

BACTERIA TOXICITY:

NO INHIBITION

AOX: < 0.1%

### 13. DISPOSAL CONSIDERATIONS

PRODUCT:....... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant. UNCUEANED PACKAGING: Soited, copts containers are to be treated in the same way as the contents,

### 14. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL

D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

FRT: CLASS PACKAGE 55

IATA: NON-REGULATED

IMDG: NON-REQULATED

### 15. REGULATORY BATA

CALL'969

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory.

SARA 313: This product is subject to SARA Title III Section 313 reporting requirements wader 40 CFR 372,

CHROMIUM (7440-47-3)	0.8 %	COBALT (7440-48-4) 0.6%
CHROMIUM COMPOUND	30 - 40 %	COBALT COMPOLND 30 - 40 %

SARA 312: Immediate (acute) health hazard Yes

Delayed (chronic) health hazard No-Fire hazard No-Sudden Release of Pressure No-Reactivity No-

CALIFORNIA PROPOSITION 65: This product does not centain any components currently on the California List of Known Carcinogens and reproductive Tuxins.

This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

### 16\_OTHER INFORMATION

Standard Colors, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Standard Colors, Inc. makes no other expressed or implied warranty of fitness of merchantability or any other expressed or implied warranty. In no case shall Standard Colors, the, be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

Creation date: April 9, 2010

Revision date: September 28, 2016.

# Safety Data Sheet

Version 2 **Issuing Date** 11/10/2016 Revision Date 11/10/2016

# 1. Identification of the Substance/Preparation and of the Company/Undertaking A CE 1969 A THE BLANKS SINCE 1969

**Product Identifier** 

**Product Code** L625D

**Product name** Levafix BrRed E-4BA

Recommended use of the chemical and restrictions on use

**Synonyms** 

Supplier's details

Recommended use Industrial Use Only.

**Details of the Supplier of the Safety Data Sheet** 

Dharma Trading Co.

1805 S. McDowell Blvd. Ext. Petaluma, CA 94954

Telephone: (707) 283-0390 **Emergency Telephone Number** 

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

### 2. Hazards Identification

### Classification

Skin sensitization Category 1B

### **EMERGENCY OVERVIEW**

Signal Word

WARNING

Hazard Statements

H317 - May cause an allergic skin reaction



Appearance Red

Physical State Powder

Odor odorless

**Precautionary Statements -**

**Prevention** 

Avoid breathing dust/fume/gas/mist/vapors/spray Contaminated work clothing should not be allowed out of the workplace Keep/Store away from clothing/

combustible materials

**Precautionary Statements -**

Response

Skin

Get medical advice/attention if you feel unwell

IF ON SKIN: Wash with plenty of soap and water If skin irritation or rash occurs:

Get medical advice/attention Wash contaminated clothing before reuse

L625D / Levafix BrRed E-4BA Revision Date 11/10/2016

**Precautionary Statements -**

Dispose of contents/container to an approved waste disposal plant

**Disposal** 

### **Hazards Not Otherwise Classified (HNOC)**

### OTHER INFORMATION

### **Unknown Acute Toxicity**

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

### 3. Composition/information on Ingredients

Chemical Name	CAS-No	Weight %	Trade secret
C.I. Reactive Red 158	83400-11-7	100%	**

### 4. First aid measures

### First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

**INHALATION** Move to fresh air.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically

### 5. Fire-fighting measures

### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

### Specific Hazards Arising from the Chemical

No information available.

### **Explosion Data**

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition

source is a potential dust explosion hazard.

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

\_\_\_\_\_\_

L625D / Levafix BrRed E-4BA Revision Date 11/10/2016

**Environmental precautions** 

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

### 7. Handling and Storage

### **Precautions for Safe Handling**

Advice on safe handling Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use

personal protection recommended in Section 8.

### Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

Incompatible Products

None known based on information supplied.

### 8. Exposure Controls/Personal Protection

**Control Parameters** 

**Exposure guidelines**This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

**Exposure Controls** 

**Engineering Measures** Showers

Evewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be

provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye

protection.

Skin and Body Protection Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

the product. Wear personal protective equipment.

Revision Date 11/10/2016 L625D / Levafix BrRed E-4BA

### 9. Physical and Chemical Properties

### **Physical and Chemical Properties**

**Physical State** Powder

**Appearance** Red odorless Odor N/A N/A BLANKS

odor threshold No information available

**Property VALUES** 

No information available Hq

melting point No information available

Boiling point/boiling range Not applicable Flash Point

Not applicable **Evaporation Rate VALUE** 

flammability (solid, gas) Not applicable

Flammability Limits in Air

**Upper Flammability Limit** Not applicable Lower Flammability Limit Not applicable

vapor pressure No information available **Vapor Density** No information available Specific gravity No information available Solubility in Other Solvents Not applicable

Partition coefficient: n-octanol/waterNot applicable **Autoignition Temperature** Not applicable decomposition temperature Not applicable No Data Available Kinematic viscosity No information available Dynamic viscosity

**Explosive Properties** Not applicable Not applicable **Oxidizing properties** 

### OTHER INFORMATION

softening point Not applicable

Molecular Weight

**VOC Content(%)** No information available. density No information available

### 10. Stability and Reactivity

### Reactivity

no data available

### **Chemical Stability**

Stable under recommended storage conditions.

### **Hazardous Reactions**

None under normal processing

### Conditions to avoid

Extremes of temperature and direct sunlight.

### incompatible materials

None known based on information supplied.

### Hazardous decomposition products

May emit toxic fumes under fire conditions.

### 11. Toxicological Information

Information on Likely Routes of Exposure

L625D / Levafix BrRed E-4BA Revision Date 11/10/2016

**Product information** Product does not present an acute toxicity hazard based on known or supplied information

**INHALATION** Avoid breathing vapors or mists.

**Eye Contact** Avoid contact with eyes. Avoid contact with skin. Skin Contact

ure BLANKS SINCE 1969 Ingestion Not an expected route of exposure. Do NOT taste or swallow.

### Information on Toxicological Effects

No information available. **Symptoms** 

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

No information available.

May cause sensitization by skin contact. sensitization

No information available. Germ cell mutagenicity Carcinogenicity No information available **Reproductive Toxicity** No information available. No information available. Specific target organ systemic

toxicity (single exposure) Specific target organ systemic

toxicity (repeated exposure)

**Aspiration Hazard** No information available.

### Numerical Measures of Toxicity - Product information

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity **Unknown Acute Toxicity** 

### 12. Ecological Information

### ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

### Persistence and Degradability

No information available.

### **Bioaccumulation**

No information available.

No information available **Other Adverse Effects** 

### 13. Disposal Considerations

**Waste treatment** 

Should not be released into the environment. Dispose of in accordance with local **Waste Disposal Methods** 

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

**Contaminated Packaging** Do not re-use empty containers. Dispose of in accordance with local regulations.

### 14. TRANSPORT INFORMATION

Revision Date 11/10/2016 L625D / Levafix BrRed E-4BA

DOT

**NOT REGULATED** Description

MEX

IATA

ART SUPPLIES & CLOTHING BLANKS SINCE 1969 Description

<u>IMDG</u>

Description

<u>RID</u>

ADN

L625D / Levafix BrRed E-4BA Revision Date 11/10/2016

### 15. Regulatory Information

### **International Inventories**

TSCA Listed
EINECS/ELINCS Listed
DSL Listed

NDSL Not Determined

PICCS Listed

**ENCS** Not Determined

IECSC Listed AICS Listed

KECL Not Determined NZIoC Not Determined

### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances **AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

NZIOC - New Zealand Inventory of Chemicals

**REACH registration number**Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

1. ICE 1969

### **RESTRICTIONS - REACH TITLE VIII** No information available

### **US Federal Regulations**

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### SARA 311/312 Hazard Categories

Acute health hazard YES.
Chronic health hazard NO.
Fire hazard NO.
Sudden Release of Pressure Hazard NO.
Reactive Hazard NO.

### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### **US State Regulations**

L625D / Levafix BrRed E-4BA Revision Date 11/10/2016

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

### U.S. State Right-to-Know Regulations

### International regulations

### **CANADA**

### **WHMIS Note**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### **WHMIS Hazard Class**

D2B Toxic materials



HMIS HEALTH 1 Flammability 1 Physical hazard 0 PERSONAL PROTECTION F

### 16. Other Information

Revision Date 11/10/2016

**Revision note** No information available.

Restrictions on use No information available.

Contact Information Website WWW.KEYCOLOUR.NET.

**Disclaimer** 

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet** 

# Safety Data Sheet

Issuing Date 14-May-2015 Revision Date 14-May-2015 Version 3

### 1. Identification of the Substance/Preparation and of the Company/Undertaking

**Product Identifier** 

Product Code L619

Product name KEYREACT SCARLET E-2GA DYE

Recommended use of the chemical and restrictions on use

Synonyms N/A

Supplier's details

Recommended use Industrial Use Only.
Uses advised against No information available

### **Details of the Supplier of the Safety Data Sheet**

Dharma Trading Co.

1805 S. McDowell Blvd. Ext.

Petaluma, CA 94954

Telephone: (707) 283-0390 Emergency Telephone Number

USA: 1-800-255-3924 China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

# 2. Hazards Identification

### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### **EMERGENCY OVERVIEW**

### signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance reddish Physical State Powder Odor No information available

### precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

### Hazards Not Otherwise Classified (HNOC)

### OTHER INFORMATION

**Unknown Acute Toxicity** 

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

### 3. Composition/information on Ingredients

### 4. First aid measures

### First aid measures for different exposure routes

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

INHALATION Move to fresh air.

A SINCE 1969 **INGESTION** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

**Main Symptoms** No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Notes to physician

### 5. Fire-fighting measures

### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

### Specific Hazards Arising from the Chemical

No information available.

### **Explosion Data**

Sensitivity to Mechanical Impact None.

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition Sensitivity to Static Discharge

source is a potential dust explosion hazard.

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

**Environmental Precautions** 

**Environmental Precautions** Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Pick up and transfer to properly labeled containers.

### 7. Handling and Storage

### **Precautions for Safe Handling**

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of Advice on safe handling

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use

personal protection recommended in Section 8.

### Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

None known based on information supplied. **Incompatible Products** 

### 8. Exposure Controls/Personal Protection

**Control Parameters** 

**Exposure guidelines** This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

**Exposure Controls** 

Showers **Engineering Measures** 

Evewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

### Individual protection measures, such as personal protective equipment

Avoid contact with eyes. If splashes are likely to occur, wear:. Face-shield. Goggles. **Eye/Face Protection** 

> Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving

the wearing of eye protection.

Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious **Skin and Body Protection** 

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

**Respiratory Protection** 

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

**Hygiene Measures** 

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

the product. Wear personal protective equipment.

### 9. Physical and Chemical Properties

### **Physical and Chemical Properties**

**Physical State** 

Powder

appearance odor threshold reddish No information available Odor No information available

**VALUES Property** 

На

No information available

Remarks • Method

melting point

N/A

TARLANIES SINCE 1969

N/A

N/A

**Boiling point/boiling range**Flash Point
No information available
No information available

**Evaporation Rate** no data available

flammability (solid, gas) no data available no data available

Flammability Limits in Air

Upper Flammability Limit
Lower Flammability Limit
vapor pressure
Vapor Density
Specific gravity
No information available
No information available
No information available
No information available

Solubility in Other Solvents No information available

Partition coefficient: n-octanol/waterNo information available

Autoignition Temperature

decomposition temperature

No Data Available

No information available

Kinematic viscosity

Dynamic viscosity

Explosive Properties

No information available

OTHER INFORMATION

softening point No information available Molecular Weight

VOC Content(%) No information available.

density No information available

### 10. Stability and Reactivity

### Reactivity

no data available

### **Chemical Stability**

Stable under recommended storage conditions.

### **Hazardous Reactions**

None under normal processing

### Conditions to avoid

Extremes of temperature and direct sunlight.

### incompatible materials

None known based on information supplied.

### Hazardous decomposition products

May emit toxic fumes under fire conditions.

### 11. Toxicological Information

### Information on Likely Routes of Exposure

**Product information** Product does not present an acute toxicity hazard based on known or supplied information

**INHALATION** Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

**INGESTION** Not an expected route of exposure. Do NOT taste or swallow.

### Information on Toxicological Effects

**Symptoms** No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No information available.

sensitization No information available. Germ cell mutagenicity No information available. carcinogenicity No information available. **Reproductive Toxicity** No information available. Specific target organ systemic No information available. toxicity (single exposure)

Specific target organ systemic toxicity (repeated exposure)

No information available. **Aspiration Hazard** 

Numerical Measures of Toxicity - Product information

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity **Unknown Acute Toxicity** 

### 12. Ecological Information

### ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

### Persistence and Degradability

No information available.

### Bioaccumulation

No information available.

No information available Other Adverse Effects

### 13. Disposal Considerations

**Waste treatment** 

Should not be released into the environment. Dispose of in accordance with local **Waste Disposal Methods** 

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

Do not re-use empty containers. Dispose of in accordance with local regulations. **Contaminated Packaging** 

### 14. TRANSPORT INFORMATION

DOT

Description NOT REGULATED

**MEX** 

**IATA** 

**NOT REGULATED** Description

IMDG

**NOT REGULATED** Description

ANKS SINCE 1969

### RID

### ADN

### 15. Regulatory Information

### **International Inventories**

**TSCA** Listed **EINECS/ELINCS** Not Determined DSL Not Determined **NDSL** Not Determined **PICCS** Not Determined Not Determined **ENCS IECSC** Not Determined **AICS** Not Determined Not Determined **KECL NZIoC** Not Determined

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances AICS - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

**REACH registration number** 

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

### **RESTRICTIONS - REACH TITLE VIII** No information available

### **US Federal Regulations**

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### SARA 311/312 Hazard Categories

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### **US State Regulations**

### California Proposition 65

This product does not contain any Proposition 65 chemicals

### U.S. State Right-to-Know Regulations

### International regulations

### **CANADA**

### **WHMIS Note**

ANKS SINCE 1969 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### **WHMIS Hazard Class**

Non-controlled

**HMIS** Health Hazard 1 flammability Physical hazard 0 **PERSONAL** PROTECTION F

### 16. Other Information

14-May-2015 **Revision Date** 

**Revision note** No information available.

Restrictions on use No information available.

WWW.KEYCOLOUR.NET. **Contact Information Website** 

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet** 

# Safety Data Sheet

Issuing Date 14-May-2015 Revision Date 14-May-2015 Version 3

### 1. Identification of the Substance/Preparation and of the Company/Undertaking

**Product Identifier** 

**Product Code** 

AND BLANKS INCE 1969 **Product name** KEYREACT TURQUOISE BLUE VS-G

Recommended use of the chemical and restrictions on use

Synonyms

Supplier's details

Recommended use Industrial Use Only. No information available Uses advised against

### **Details of the Supplier of the Safety Data Sheet**

Dharma Trading Co.

1805 S. McDowell Blvd. Ext.

Petaluma, CA 94954

Telephone: (707) 283-0390 **Emergency Telephone Number** 

USA: 1-800-255-3924 China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

### 2. Hazards Identification

### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### **EMERGENCY OVERVIEW**

### signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance bluish-green Physical State Liquid **Odor** No information available

### precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/sprav

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

### Hazards Not Otherwise Classified (HNOC)

### OTHER INFORMATION

**Unknown Acute Toxicity** 

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

### 3. Composition/information on Ingredients

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### 4. First aid measures

#### First aid measures for different exposure routes

APPE **Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

INHALATION Move to fresh air.

**INGESTION** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

No information available. **Main Symptoms** 

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

# 5. Fire-fighting measures

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

#### Specific Hazards Arising from the Chemical

No information available.

# **Explosion Data**

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

# **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

**Environmental Precautions** 

**Environmental Precautions** Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other **Methods for Cleaning Up** 

noncombustible absorbent material. Take up mechanically, placing in appropriate

containers for disposal. Clean contaminated surface thoroughly.

# 7. Handling and Storage

#### **Precautions for Safe Handling**

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of Advice on safe handling

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use

personal protection recommended in Section 8.

#### Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

None known based on information supplied. Incompatible Products

# 8. Exposure Controls/Personal Protection

**Control Parameters** 

This product, as supplied, does not contain any hazardous materials with occupational **Exposure guidelines** 

exposure limits established by the region specific regulatory bodies

**Exposure Controls** 

Showers **Engineering Measures** 

**Evewash stations** 

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

#### Individual protection measures, such as personal protective equipment

If splashes are likely to occur, wear:. Face-shield. Goggles. **Eye/Face Protection** 

Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious **Skin and Body Protection** 

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

N/A

the product. Wear personal protective equipment.

# 9. Physical and Chemical Properties

#### **Physical and Chemical Properties**

**Physical State** 

appearance bluish--green Odor No information available

odor threshold No information available

VALUES Remarks • Method Property

melting point

No information available Hq

No information available Boiling point/boiling range

Flash Point 121 °C / 250 °F

ANKS SINCE 1969

Evaporation Rate no data available

N/A

N/A

flammability (solid, gas)

no data available

no data available

Flammability Limits in Air

Upper Flammability Limit
Lower Flammability Limit
vapor pressure
Vapor Density
Specific gravity
No information available
No information available
No information available
No information available

Solubility in Other Solvents No information available

Partition coefficient: n-octanol/waterNo information available

Autoignition Temperature No Data Available

decomposition temperatureNo information availableKinematic viscosityNo Data AvailableDynamic viscosityNo information availableExplosive PropertiesNo information availableOxidizing propertiesNo information available

#### **OTHER INFORMATION**

softening point Molecular Weight VOC Content(%) No information available

No information available.

No information available

# 10. Stability and Reactivity

#### Reactivity

density

no data available

#### **Chemical Stability**

Stable under recommended storage conditions.

#### **Hazardous Reactions**

None under normal processing

#### Conditions to avoid

Extremes of temperature and direct sunlight.

#### incompatible materials

None known based on information supplied.

#### **Hazardous decomposition products**

May emit toxic fumes under fire conditions.

# 11. Toxicological Information

#### Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

**INHALATION** Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

**INGESTION** Not an expected route of exposure. Do NOT taste or swallow.

## Information on Toxicological Effects

**Symptoms** No information available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization No information available. Germ cell mutagenicity No information available. carcinogenicity No information available. **Reproductive Toxicity** No information available. Specific target organ systemic No information available. toxicity (single exposure)

Specific target organ systemic toxicity (repeated exposure) **Aspiration Hazard** 

No information available. No information available.

Numerical Measures of Toxicity - Product information

**Unknown Acute Toxicity** 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

# 12. Ecological Information

#### ecotoxicity

arent Alk 100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### Persistence and Degradability

No information available.

#### **Bioaccumulation**

No information available.

Other Adverse Effects No information available

# 13. Disposal Considerations

Waste treatment

Should not be released into the environment. Dispose of in accordance with local **Waste Disposal Methods** 

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

**Contaminated Packaging** Do not re-use empty containers. Dispose of in accordance with local regulations.

# 14. TRANSPORT INFORMATION

DOT

**NOT REGULATED** Description

**MEX** 

**IATA** 

Description **NOT REGULATED** 

**IMDG** 

**NOT REGULATED** Description

RID

ASINCE 1969

#### ADN

# 15. Regulatory Information

#### **International Inventories**

TSCA Listed
EINECS/ELINCS Listed
DSL Listed

NDSL Not Determined

PICCS Listed
ENCS Listed
IECSC Listed
AICS Listed
KECL Listed

NZIoC Not Determined

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances **IECSC** - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

REACH registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII No information available

# **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

# SARA 311/312 Hazard Categories

Acute health hazard NO.
Chronic health hazard NO.
Fire hazard NO.
Sudden Release of Pressure Hazard NO.
Reactive Hazard NO.

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

SUNCE 1969

#### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

#### International regulations

Mexico - Grade Slight risk, Grade 1.

#### **CANADA**

#### **WHMIS Note**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### **WHMIS Hazard Class**

Non-controlled

HMIS Health Hazard 1 flammability 1 Physical hazard 0 PERSONAL PROTECTION H

#### 16. Other Information

Revision Date 14-May-2015

Revision note No information available.

Restrictions on use No information available.

Contact Information Website WWW.KEYCOLOUR.NET.

**Disclaimer** 

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet** 

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# Safety Data Sheet

Revision Date 10/27/2016 Version 2 Issuing Date 10/27/2016

# 1. Identification of the Substance/Preparation and of the Company/Undertaking A THE BLANKS SINCE 1969

**Product Identifier** 

I 237 **Product Code** 

**Product name** Novacron® Brilliant Blue E-G

Recommended use of the chemical and restrictions on use

**Synonyms** 

Supplier's details

Recommended use Industrial Use Only.

**Details of the Supplier of the Safety Data Sheet** 

Dharma Trading Co.

1805 S. McDowell Blvd. Ext. Petaluma, CA 94954

Telephone: (707) 283-0390

**Emergency Telephone Number** 

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

#### 2. Hazards Identification

#### Classification

Category 1 Serious eye damage/eye irritation

# **EMERGENCY OVERVIEW**

Signal Word DANGER

**Hazard Statements** 

H318 - Causes serious eve damage



Appearance powdery violet granules

Physical State Powder

**Odor** No information available

**Precautionary Statements -**

Prevention

Wear eye protection/ face protection

**Precautionary Statements -**

Response

**Eyes** 

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON

CENTER or doctor

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#### **Hazards Not Otherwise Classified (HNOC)**

#### OTHER INFORMATION

# 3. Composition/information on Ingredients

Chemical Name	CAS-No	Weight %	Trade secret
6,13-Dichloro-3,[0-bis[2-[4-fluoro-6-(2-sulfophenyla mino)-[1,3,5]triazin-2-ylamino]-propylamino]-benzo[5,6][1,4]oxazineo[2,3-b]phenoxazine-4,11-disulfonic acid, lithium, sodium salt		100%	

#### 4. First aid measures

#### First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

**INHALATION** Move to fresh air.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically

# 5. Fire-fighting measures

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

#### Specific Hazards Arising from the Chemical

No information available.

**Explosion Data** 

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition

source is a potential dust explosion hazard.

# **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

**Environmental precautions** 

\_\_\_\_\_\_

**Environmental precautions** 

Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** 

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

# 7. Handling and Storage

#### **Precautions for Safe Handling**

Advice on safe handling

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

#### Conditions for safe storage, including any incompatibilities

**Technical measures/Storage** 

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

**Incompatible Products** 

None known based on information supplied.

#### 8. Exposure Controls/Personal Protection

**Control Parameters** 

**Exposure guidelines** 

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Exposure Controls** 

**Engineering Measures** 

Showers

**Evewash stations** 

Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

# Individual protection measures, such as personal protective equipment

**Eye/Face Protection** 

Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

**Skin and Body Protection** 

Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory Protection** 

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures** 

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

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# 9. Physical and Chemical Properties

# **Physical and Chemical Properties**

**Physical State** Powder

**Appearance** powdery violet granules No information available Odor

odor threshold No information available

N/A N/A BLANKS SINCEL 1969 VALUES **Property** 

7.0 - 7.5 pН

melting point Boiling point/boiling range No information available

**Flash Point** Not applicable

**Evaporation Rate VALUE** Not applicable

Not applicable flammability (solid, gas)

Flammability Limits in Air

**Upper Flammability Limit** Not applicable **Lower Flammability Limit** Not applicable

vapor pressure No information available **Vapor Density** No information available Specific gravity No information available

Solubility in Other Solvents Not applicable Partition coefficient: n-octanol/waterNot applicable **Autoignition Temperature** 300 °C decomposition temperature Not applicable Kinematic viscosity No Data Available **Dvnamic viscosity** No information available

**Explosive Properties** Not applicable **Oxidizing properties** Not applicable

OTHER INFORMATION

softening point Not applicable

Molecular Weight

No information available. VOC Content(%) No information available density

**Bulk density** 0.46 g/cm3

# 10. Stability and Reactivity

Reactivity

no data available

**Chemical Stability** 

Stable under recommended storage conditions.

**Hazardous Reactions** 

None under normal processing

**Conditions to avoid** 

Extremes of temperature and direct sunlight.

incompatible materials

None known based on information supplied.

**Hazardous decomposition products** 

May emit toxic fumes under fire conditions.

# 11. Toxicological Information

Information on Likely Routes of Exposure

**Product information** Product does not present an acute toxicity hazard based on known or supplied information

Avoid breathing vapors or mists. **INHALATION** 

**Eye Contact** Corrosive to the eyes and may cause severe damage including blindness.

Avoid contact with skin. **Skin Contact** 

Not an expected route of exposure. Do NOT taste or swallow. Ingestion

Information on Toxicological Effects

No information available. **Symptoms** 

ALANIES SINCE 1969 Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization No information available. Germ cell mutagenicity No information available. Carcinogenicity No information available Reproductive Toxicity No information available. Specific target organ systemic No information available.

toxicity (single exposure) Specific target organ systemic

toxicity (repeated exposure)

No information available.

**Aspiration Hazard** No information available.

Numerical Measures of Toxicity - Product information

# 12. Ecological Information

#### ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### Persistence and Degradability

No information available.

# **Bioaccumulation**

No information available.

No information available Other Adverse Effects

## 13. Disposal Considerations

Waste treatment

**Waste Disposal Methods** Should not be released into the environment. Dispose of in accordance with local

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

**Contaminated Packaging** Do not re-use empty containers. Dispose of in accordance with local regulations.

#### 14. TRANSPORT INFORMATION

DOT

**NOT REGULATED Description** 

MEX

IATA

**NOT REGULATED** Description

**IMDG** 

Printe Blanks Since 1969 Description **NOT REGULATED** 

<u>RID</u>

ADN

7. ACE 1969

# 15. Regulatory Information

#### **International Inventories**

TSCA Listed
EINECS/ELINCS Listed
DSL Listed

NDSL Not Determined

PICCS Listed

**ENCS** Not Determined

IECSC Listed

AICS Not Determined
KECL Not Determined
NZIOC Not Determined

#### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

**REACH** registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

#### **RESTRICTIONS - REACH TITLE VIII** No information available

#### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Acute health hazard YES.
Chronic health hazard NO.
Fire hazard NO.
Sudden Release of Pressure Hazard NO.
Reactive Hazard NO.

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

#### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

# U.S. State Right-to-Know Regulations

## International regulations

#### **CANADA**

#### **WHMIS Note**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### **WHMIS Hazard Class**

Non-controlled

**HMIS HEALTH** 1 Flammability 1 Physical hazard 0 **PERSONAL** 

**PROTECTION** F

#### 16. Other Information

10/27/2016 **Revision Date** 

No information available. **Revision note** Restrictions on use No information available.

**Contact Information Website** 

WWW.DYES.COM.

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet** 

# Safety Data Sheet

Odor odorless

Version 2 **Issuing Date** 11/10/2016 Revision Date 11/10/2016

# 1. Identification of the Substance/Preparation and of the Company/Undertaking HING BLANKS SINCE 1969

**Product Identifier** 

**Product Code** 1232

**Product name** LEVAFIX ROYAL BLUE EFR

Recommended use of the chemical and restrictions on use

**Synonyms** 

Supplier's details

Recommended use Industrial Use Only.

**Details of the Supplier of the Safety Data Sheet** 

Dharma Trading Co.

1805 S. McDowell Blvd. Ext.

Petaluma, CA 94954

Telephone: (707) 283-0390 **Emergency Telephone Number** 

USA: 1-800-255-3924

China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

## 2. Hazards Identification

#### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

#### **EMERGENCY OVERVIEW**

The product contains no substances which at their given concentration, are considered to be hazardous to health

Physical State Powder

Signal Word Not Hazardous

**Hazards Not Otherwise Classified (HNOC)** 

OTHER INFORMATION

Appearance Blue

**Unknown Acute Toxicity** 

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

#### 3. Composition/information on Ingredients

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

4. First aid measures

L232 / LEVAFIX ROYAL BLUE EFR Revision Date 11/10/2016

#### First aid measures for different exposure routes

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

**INHALATION** Move to fresh air.

Ingestion Clean mouth with water and drink afterwards plenty of water.

#### Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

#### 5. Fire-fighting measures

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

#### **Specific Hazards Arising from the Chemical**

No information available.

#### **Explosion Data**

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition

source is a potential dust explosion hazard.

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. Accidental release measures

# Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

**Environmental precautions** 

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize

spreading and keep powder dry. Take up mechanically, placing in appropriate containers

1, NCE 1969

for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

# 7. Handling and Storage

#### **Precautions for Safe Handling**

Advice on safe handling

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

#### Conditions for safe storage, including any incompatibilities

Technical measures/Storage

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

**Incompatible Products** 

None known based on information supplied.

# 8. Exposure Controls/Personal Protection

Control Parameters

**Exposure guidelines** 

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Exposure Controls** 

**Engineering Measures** 

Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

#### Individual protection measures, such as personal protective equipment

Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be **Eye/Face Protection** 

provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye

protection.

Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious **Skin and Body Protection** 

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved **Respiratory Protection** 

respiratory protection should be worn.

**Hygiene Measures** 

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

N/A

# 9. Physical and Chemical Properties

#### **Physical and Chemical Properties**

**Physical State** Powder

Appearance Blue Odor odorless

odor threshold No information available

VALUES Property Remarks • Method

На melting point

No information available

Boiling point/boiling range Flash Point

**Evaporation Rate VALUE** 

No information available

Not applicable Not applicable

Revision Date 11/10/2016

ATHE SINCE 1969

#### L232 / LEVAFIX ROYAL BLUE EFR

flammability (solid, gas) Not applicable Not applicable

Flammability Limits in Air

**Upper Flammability Limit** Not applicable **Lower Flammability Limit** Not applicable

No information available vapor pressure Vapor Density No information available Specific gravity No information available

Solubility in Other Solvents

Not applicable Partition coefficient: n-octanol/waterNot applicable

Not applicable N/A **Autoignition Temperature** 

decomposition temperature Not applicable No Data Available Kinematic viscosity Dynamic viscosity No information available

Not applicable **Explosive Properties** Not applicable Oxidizing properties

#### OTHER INFORMATION

softening point Not applicable Molecular Weight

**VOC Content(%)** No information available. density No information available

# 10. Stability and Reactivity

N/A

#### Reactivity

no data available

#### **Chemical Stability**

Stable under recommended storage conditions.

#### **Hazardous Reactions**

None under normal processing

#### Conditions to avoid

Extremes of temperature and direct sunlight.

#### incompatible materials

None known based on information supplied.

# **Hazardous decomposition products**

May emit toxic fumes under fire conditions.

# 11. Toxicological Information

# Information on Likely Routes of Exposure

**Product information** Product does not present an acute toxicity hazard based on known or supplied information

INHALATION Avoid breathing vapors or mists.

**Eye Contact** Avoid contact with eyes. **Skin Contact** Avoid contact with skin.

Ingestion Not an expected route of exposure. Do NOT taste or swallow.

# Information on Toxicological Effects

**Symptoms** No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization No information available. No information available. Germ cell mutagenicity Carcinogenicity No information available **Reproductive Toxicity** No information available. No information available.

Specific target organ systemic toxicity (single exposure) Specific target organ systemic toxicity (repeated exposure)

No information available.

**Aspiration Hazard** No information available.

Numerical Measures of Toxicity - Product information

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity **Unknown Acute Toxicity** 

# 12. Ecological Information

#### ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### Persistence and Degradability

No information available.

#### Bioaccumulation

No information available.

Other Adverse Effects No information available

# 13. Disposal Considerations

Waste treatment

Should not be released into the environment. Dispose of in accordance with local **Waste Disposal Methods** 

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

Do not re-use empty containers. Dispose of in accordance with local regulations. **Contaminated Packaging** 

# 14. TRANSPORT INFORMATION

DOT

NOT REGULATED Description

MEX

**IATA** 

**NOT REGULATED** Description

**IMDG** 

**NOT REGULATED** Description

RID



7. ACE 1969

# 15. Regulatory Information

#### **International Inventories**

TSCA Listed

**EINECS/ELINCS** Not Determined **DSL** Not Determined **NDSL** Not Determined Not Determined **PICCS ENCS** Not Determined **IECSC** Not Determined **AICS** Not Determined **KECL** Not Determined Not Determined **NZIoC** 

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

REACH registration number Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

#### **RESTRICTIONS - REACH TITLE VIII** No information available

#### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Acute health hazard NO.
Chronic health hazard NO.
Fire hazard NO.
Sudden Release of Pressure Hazard NO.
Reactive Hazard NO.

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

# **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

#### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

# U.S. State Right-to-Know Regulations

## International regulations

#### **CANADA**

#### **WHMIS Note**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### **WHMIS Hazard Class**

Non-controlled

**HMIS HEALTH** 1 Flammability 1 Physical hazard 0 **PERSONAL** 

**PROTECTION** F

# 16. Other Information

**Revision Date** 11/10/2016

**Revision note** No information available

No information available Restrictions on use

WWW.KEYCOLOUR.NET. **Contact Information Website** 

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet** 

# Safety Data Sheet

Issuing Date 14-May-2015 Revision Date 14-May-2015 Version 3

# 1. Identification of the Substance/Preparation and of the Company/Undertaking

**Product Identifier** 

**Product Code** 

All BLANKS INCE 1969 **Product name** KEYREACT LEVAFIX NAVY E-BNA DYE

Recommended use of the chemical and restrictions on use

Synonyms

Supplier's details

Recommended use Industrial Use Only. No information available Uses advised against

#### **Details of the Supplier of the Safety Data Sheet**

Dharma Trading Co.

1805 S. McDowell Blvd. Ext.

Petaluma, CA 94954

Telephone: (707) 283-0390 **Emergency Telephone Number** 

USA: 1-800-255-3924 China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

# 2. Hazards Identification

#### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

#### **EMERGENCY OVERVIEW**

#### signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance bluish powder Physical State Powder **Odor** No information available

#### precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/sprav

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P501 - Dispose of contents/ container to an approved waste disposal plant

#### Hazards Not Otherwise Classified (HNOC)

# OTHER INFORMATION

**Unknown Acute Toxicity** 

100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

# 3. Composition/information on Ingredients

#### 4. First aid measures

#### First aid measures for different exposure routes

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin Contact** Wash skin with soap and water.

INHALATION Move to fresh air.

NAS SINCE 1969 **INGESTION** Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

**Main Symptoms** No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically. Notes to physician

# 5. Fire-fighting measures

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Keep away from heat and sources of ignition.

#### Specific Hazards Arising from the Chemical

No information available.

#### **Explosion Data**

Sensitivity to Mechanical Impact None.

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition Sensitivity to Static Discharge

source is a potential dust explosion hazard.

## **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with the skin and the eyes. Use personal protective equipment. For personal

protection see section 8. Ensure adequate ventilation.

**Environmental Precautions** 

**Environmental Precautions** Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Pick up and transfer to properly labeled containers.

#### 7. Handling and Storage

Precautions for Safe Handling

Advice on safe handling Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of

insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use

personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

**Technical measures/Storage** 

conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national

regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

8. Exposure Controls/Personal Protection

**Control Parameters** 

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies

**Exposure Controls** 

Engineering Measures Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure

limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Avoid contact with eyes. If splashes are likely to occur, wear:. Face-shield. Goggles.

Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving

the wearing of eye protection.

**Skin and Body Protection** Skin and Body Protection. Wear protective gloves and protective clothing. Wear impervious

protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to

prevent skin contact.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or

smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling

the product. Wear personal protective equipment.

9. Physical and Chemical Properties

**Physical and Chemical Properties** 

Physical State Powder

appearance bluish powder Odor No information available

odor threshold No information available

Property VALUES Remarks • Method

pH No information available

melting point N/A

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Roiling point/hoiling range No information available

N/A

N/A

Boiling point/boiling range

Flash Point

No information available

No information available

**Evaporation Rate** no data available

flammability (solid, gas) no data available no data available

Flammability Limits in Air

Upper Flammability Limit
Lower Flammability Limit
vapor pressure
Vapor Density
Specific gravity
No information available
No information available
No information available
No information available

Solubility in Other Solvents No information available

Partition coefficient: n-octanol/waterNo information available

Autoignition Temperature

decomposition temperature

No Data Available

No information available

Kinematic viscosity

Dynamic viscosity

Explosive Properties

No information available

OTHER INFORMATION

softening point No information available Molecular Weight

VOC Content(%) No information available. No information available

# 10. Stability and Reactivity

#### Reactivity

no data available

#### **Chemical Stability**

Stable under recommended storage conditions.

#### **Hazardous Reactions**

None under normal processing

#### Conditions to avoid

Extremes of temperature and direct sunlight.

#### incompatible materials

None known based on information supplied.

#### **Hazardous decomposition products**

May emit toxic fumes under fire conditions.

#### 11. Toxicological Information

#### Information on Likely Routes of Exposure

Product information Product does not present an acute toxicity hazard based on known or supplied information

**INHALATION** Avoid breathing vapors or mists.

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

**INGESTION** Not an expected route of exposure. Do NOT taste or swallow.

#### Information on Toxicological Effects

**Symptoms** No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No information available.

sensitization

Germ cell mutagenicity
carcinogenicity

Reproductive Toxicity
Specific target organ systemic
toxicity (single exposure)

No information available.
No information available.
No information available.

Specific target organ systemic toxicity (repeated exposure)

Aspiration Hazard No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

# 12. Ecological Information

# ecotoxicity

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### Persistence and Degradability

No information available.

#### **Bioaccumulation**

No information available.

Other Adverse Effects No information available

# 13. Disposal Considerations

**Waste treatment** 

Waste Disposal Methods Should not be released into the environment. Dispose of in accordance with local

regulations. This material, as supplied, is not a hazardous waste according to state and

federal regulations (40 CFR 261).

Contaminated Packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

#### 14. TRANSPORT INFORMATION

DOT

**Description** NOT REGULATED

<u>MEX</u>

**IATA** 

**Description** NOT REGULATED

**IMDG** 

**Description** NOT REGULATED

\_\_\_\_\_\_

ANYS SINCE 1969

#### RID

#### ADN

# 15. Regulatory Information

#### **International Inventories**

TSCA	Listed
EINECS/ELINCS	Not Determined
DSL	Not Determined
NDSL	Not Determined
PICCS	Not Determined
ENCS	Not Determined
IECSC	Not Determined
AICS	Not Determined
KECL	Not Determined
NZIoC	Not Determined

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

**REACH** registration number

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with

any REACH-Related questions at REACH@Keystone-Europe.CO.UK

#### **RESTRICTIONS - REACH TITLE VIII** No information available

#### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

#### **US State Regulations**

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

# U.S. State Right-to-Know Regulations

# International regulations

#### **CANADA**

#### **WHMIS Note**

ANKS SINCE 1969 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### **WHMIS Hazard Class**

Non-controlled

**HMIS** Health Hazard 1 flammability Physical hazard 0 **PERSONAL** PROTECTION F

# 16. Other Information

14-May-2015 **Revision Date** 

**Revision note** No information available.

Restrictions on use No information available.

WWW.KEYCOLOUR.NET. **Contact Information Website** 

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet** 

# SAFETY DATA SHEET

#### PRINT DATE:1/17/17

#### 1. PRODUCT IDENTIFICATION

PRODUCT NAME ......PERMABRIL GREY C-KG

PRODUCT CODE NUMBER . 608000S100P006

MATION O SINCE 1969 CHEMICAL FAMILY ......AZO-METAL COMPLEX DYESTUFF PREPARATION

T.S.C.A. STATUS ......COMPLIANCE

RECOMENED PRODUCT USE.....TEXTILE MANUFACTURING

RESTRICTED PRODUCT USE....FOR INDUSTRIAL USE ONLY

MANUFACTURED BY...... Dharma Trading Co.

1805 S. McDowell Blvd. Ext.

Petaluma, CA 94954

Telephone: (707) 283-0390

EMERGENCY PHONE NUMBER, CHEMTREC: 800/424-9300

# 2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 5-Oral Acute Toxicity

Pictogram:

NONE

Signal Word:

Warning

Hazard Statements: H303: May be Harmful if Swallowed

Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection

P270: Do not eat, drink, or smoke when using this product.

P260: Do not breath dust/fume/gas/mist/vapors/spray

P273: Avoid release to the environment

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable

position for breathing.

# 3. COMPOSITION/INFORMATIONS ON INGREDIENTS

Proprietary Azo-Metal complex mixture 40 - 50 % May be harieful if swallowed

The exact percentages and the composition of materials, have been withhold as a trade secret,

#### 4. FIRST-AID MEASURES.

GENERAL INFORMATI	ON: IMMODIATELY REMOVE ALL CONTAMINATED CLOTHING	b
EYU CONTACT	Wash immediately with large amounts of waterfor 15 minutes, lifting the upper and	
	lower lids until no evidence of product remain. Get medical attention immediately, not wear contact lenses while handling	13
	Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic	
	contact dermatitis. Launder contaminated elothing helore reuse.	
INGESTION	Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions	
INHALATION	If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician	/

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACTUR AND DELAYED.

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11.

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED. No data available.

#### 5. FIREFIGHTING MEASURES

Firefighters should be equipped with protective clothing & self-coragined breathing apparatus to protect against potentially toxic & irritating formes. In case of fire or explosion, keep numerossary people away. Isolate hazard area & any entry, Stay upwind, out of low areas, and ventilate closed spaces before entering.

# 6. ACCIDENTAL RELEASE MEASURES

#### IN CASE MATERIAL IS RELEASED/SPILLED:

Do not empty into drains or waters. Do not touch to walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled scalable containers. For further disposal measures see section 13.

## 7. HANDLING AND STORAGE

#### PRECAUTIONS FOR SACE HANDLING

In accord with good industrial practice. Hundle with care and avoid personal contact

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBLITIES

Keep container protected from direct similight in a dry, cool and in a well ventilated area.

Keep the container tightly sealed and away from any incompatible materials (see Section 10)...

# 8. EXPOSURE CONTROLS@ERSONAL PROTECTION

#### APPROPRIATE ENGINEERING CONTROLS.

Handle with good industrial practices and industrial hygiene. Wash hands after use.

GENERAL PROTECTIVE MEASURES: Avoid contact with eyes and skin. Immediately remove all

contaminated elothing.

EYE PROTECTION ...... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ...... Employees should avoid skin contact by wearing protective clothing. Long sleeve

skirts, pacts, gloves e.g. of PVC or nitrile robber, and boots are recommended.

Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from

food and drink stuffs.

of a NIOSH approved dust respirator.

VENTILATION ...... Use local ventilation.

OTHER ...... Wear overalls, apron or other prospetive clothing

# 9. PHYSICAL DATA

APPEARANCE ...... POWDER COLOR ...... BLACK

ODOR THRESHOLD......NA

SOLUBILITY IN WATER ...... > 100 g/l fr 60C

BULK DENSITY ......ND

RELATIVE DENSITY......No.

pH \_\_\_\_\_ 5.0 - 7.5 1.0 %

MELTING POINT/FREEZING POINT......NA

PARTITION COEFFICIENT: N-OCTANOL/WATER......ND

BOILING POINT......NA

VAPOR PRESSURE. .... ... .....NA

VAPOR DENSITY.....NA

EVAPORATION RATES......NA

FLAMMABILELY.....NA

FLASH POINT......NA

DECOMPOSITION TEMPERATURE....ND

UBL......NA

LEL.....NA

% VOLATILE: VALUE: ND

UNIT: %

COMMENT:

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#### 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS RUACTIONS: None expected.

INCOMPATABLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS.......CO2, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID, ....... Avoid desting conditions and sparks/flame.

REACTIVITY .... Will not occur

# II. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).......>2000 mg/L (rats)

EYE ELFECTS ..... NON IRRITANT (RABBIT EYE), C

SKIN EFFECTS ....... NON-IRRITANT (RABBIT)

SENSULIZATION ...... (GUINEA PIG).

PRIMARY ROUTE OF EXPOSURE

INHAUATION:

SKIN ABSORPTION:

SO.

INGESTION: NO

SKIN CONTACT:

YES YES

EYE CONTACT:

VI3

CARCINOGEN STATUS

IARC:

NO

NTP: NO

OSHA: OXO

ACGIH: NO

HMIS: 100E

LIFFECTS OF OVEREXPOSURE

None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract...

MEDICAL CONDITIONS AGGRAVATED.

Personal with any pre-existing skin or eye conditions may be more susceptible to the effects of this product.

#### 12. ECOLOGICAL INFORMATION

BIODEGRADABILITY:

ND

BACTERIA TOXICITY:

NO INHIBITION

AOX: < 0.1%

#### 13. DISPOSAL CONSIDERATIONS

PRODUCT:....... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant. UNCUEANED PACKAGING: Soited, copts containers are to be treated in the same way as the contents,

# 14. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL

D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

FRT: CLASS PACKAGE 55

IATA: NON-REGULATED

IMDG: NON-REQULATED

# 15. REGULATORY BATA

CALL'969

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory.

SARA 313: This product is subject to SARA Title III Section 313 reporting requirements wader 40 CFR 372,

CHROMIUM (7440-47-3)	0.8 %	COBALT (7440-48-4) 0.6%
CHROMIUM COMPOUND	30 - 40 %	COBALT COMPOLND 30 - 40 %

SARA 312: Immediate (acute) health hazard Yes

Delayed (chronic) health hazard No-Fire hazard No-Sudden Release of Pressure No-Reactivity No-

CALIFORNIA PROPOSITION 65: This product does not centain any components currently on the California List of Known Carcinogens and reproductive Tuxins.

This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

#### 16\_OTHER INFORMATION

Standard Colors, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Standard Colors, Inc. makes no other expressed or implied warranty of fitness of merchantability or any other expressed or implied warranty. In no case shall Standard Colors, the, be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

Creation date: April 9, 2010

Revision date: September 28, 2016.