Safety Data Sheet

Issuing Date 27-Apr-2015

Revision Date 27-Apr-2015

Version 2

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

Product Identifier Product Code **Product name**

DM043 **BLUE MIX 43**

Recommended use of the chemical and restrictions on use **Synonyms** N/A

Supplier's details **Recommended use** Uses advised against

Industrial Use Only. No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

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

HING BLANKS SINCE 1969 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 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.	
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

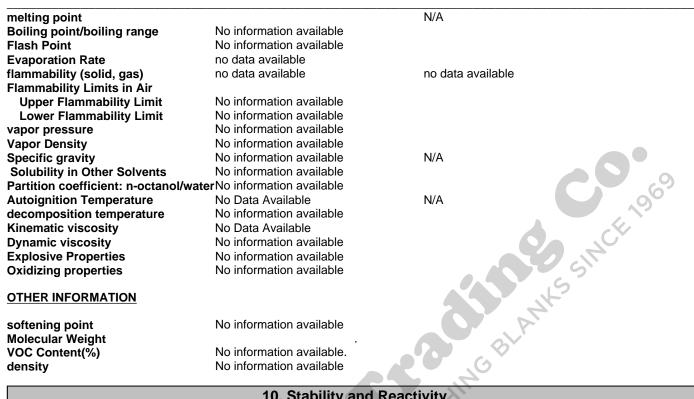
	for disposal. Avoid dust formation. Clean contaminated surface thoroughly.
Methods for Cleaning Up	Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods and materials for contain	ment and cleaning up
Environmental Precautions	Prevent further leakage or spillage if safe to do so.
Environmental Precautions	
Personal Precautions	Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.

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 Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. **Technical measures/Storage** conditions 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 **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 eve 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 appearance odor threshold	Powder bluishgreen No information available	Odor	No information available
<u>Property</u> pH	VALUES_ No information available	Remarks • Method	



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	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	No information available.
toxicity (repeated exposure)	
Aspiration Hazard	No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity

No information available. <u>oduct information</u> 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

<u>IMDG</u>

Description

<u>RID</u>

<u>ADN</u>

NOT REGULATED

SINCE 1969

15. Regulatory Information

International Inventories

NZIOC Not Determined	Listed Not Determined Not Determined Not Determined Not Determined Not Determined Not Determined 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

NZIOC - New Zealand Inventory of Chemicals

Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK

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RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations

REACH registration number

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).

DM043 / BLUE MIX 43

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 27-Apr-2015 **Revision Date Revision note** No information available. Restrictions on use No information available.

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

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material or in any process, unless specified in the text

End of Material Safety Data Sheet

Safety Data Sheet

Issuing Date 29-Apr-2015

Revision Date 28-Apr-2015

Version 2

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

Product Identifier Product Code **Product name**

DM045 **ORANGE MIX 45**

Recommended use of the chemical and restrictions on use **Synonyms** N/A

Supplier's details **Recommended use** Uses advised against

Industrial Use Only. No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

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

HING BLANKS SINCE 1969 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 Orange

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.	
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

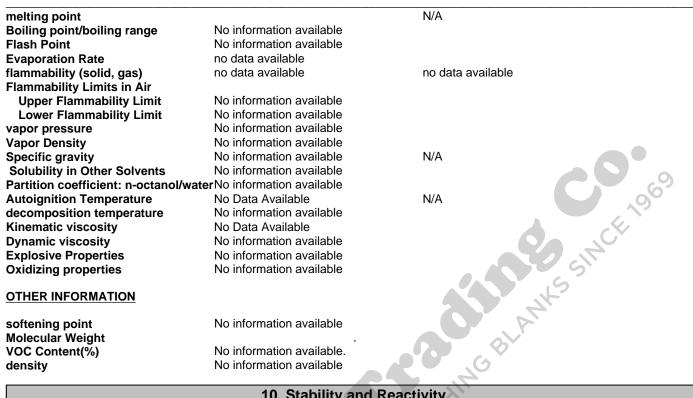
Personal Precautions	Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.
Environmental Precautions	
Environmental Precautions	Prevent further leakage or spillage if safe to do so.
Methods and materials for containn	nent 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 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 Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. **Technical measures/Storage** conditions 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 **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 eve 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 appearance odor threshold	Powder Orange No information available	Odor	No information available
<u>Property</u> pH	VALUES_ No information available	Remarks • Method	



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	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	No information available.
toxicity (repeated exposure)	
Aspiration Hazard	No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity

No information available. <u>oduct information</u> 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

<u>RID</u>

<u>ADN</u>

NOT REGULATED

SINCE 1969

15. Regulatory Information

International Inventories

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

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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

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

9

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).

DM045 / ORANGE MIX 45

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 28-Apr-2015 **Revision Date Revision note** No information available. Restrictions on use No information available.

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

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material or in any process, unless specified in the text

End of Material Safety Data Sheet

Safety Data Sheet

Issuing Date 20-May-2015

Revision Date 20-May-2015

Version 2

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

Product Identifier Product Code Product name

DM046 ACID TURQUOISE

Recommended use of the chemical and restrictions on use **Synonyms** N/A

Supplier's details **Recommended use** Uses advised against

Industrial Use Only. No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

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

HING BLANKS SINCE 1969 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
appouration	biulon	powadu

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

Chemical Name Direct Blue 86	CAS-No 1330-38-7	Weight % 100%	Trade secret
	1330-38-7	100%	
	4. First aid measure	es	
First aid measures for different e	xposure routes		
Eye Contact	Rinse thoroughly with plenty of water Consult a physician.	for at least 15 minutes, lifti	ng lower and upper eyelid
Skin Contact	Wash skin with soap and water.		
INHALATION	Move to fresh air.		,90
INGESTION	Clean mouth with water and drink after	erwards plenty of water.	
Most important symptoms/effects	s, acute and delayed		CITY -
Main Symptoms	No information available.		55INCE 1969
Indication of immediate medical a	attention and special treatment needed	<u>, if necessary</u>	
Notes to physician	Treat symptomatically.	BY BY	
	5. Fire-fighting measure	ures	
Specific Hazards Arising from the No information available. Explosion Data Sensitivity to Mechanical Imp Sensitivity to Static Discharge Protective Equipment and Precau	act None. Fine dust dispersed in air, in sufficient source is a potential dust explosion ha utions for Firefighters breathing apparatus pressure-demand, MS	t concentrations, and in the azard. SHA/NIOSH (approved or e	
	6. Accidental release me	easures	
Personal precautions, protective	equipment and emergency procedures	<u>5</u>	
Personal Precautions <u>Environmental Precautions</u>	Avoid contact with the skin and the ey protection see section 8. Ensure adec		e equipment. For persona
Environmental Precautions	Prevent further leakage or spillage if s	safe to do so.	
Methods and materials for contai	nment and cleaning up		
Methods for containment	Prevent further leakage or spillage if s	safe to do so.	
Methods for Cleaning Up	Use personal protective equipment. C spreading and keep powder dry. Take for disposal. Avoid dust formation. Cle	e up mechanically, placing i	n appropriate 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. Remo and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation a places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.			
Conditions for sale storage, met	conditions for sale 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

Control Parameters Exposure guidelines			
Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Direct Blue 86	TWA: 1 mg/m ³ Cu dust and mist	CONATE	IDLH: 100 mg/m ³ Cu dust and
1330-38-7	TWA. Thight Ou dust and hist		mist
			TWA: 1 mg/m ³ Cu dust and mist
NIOSH IDLH Immediately Dangero	us to Life or Health		
		\sim	
Exposure Controls		C.	
-	6)	
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, s	uch as personal protective equip	<u>ment</u>	
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			
	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		
- Children	respiratory protection should be	worn.	
Hygiene Measures	Handle in accordance with good	industrial bygione and safet	v practice. Do not eat drink or
Trygiene 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.			
	the product. Wear personal prote	serve equipment.	
9. Physical and Chemical Properties			
3. Flysical and Chemical Flopernes			

3. Physical and Chemical Properties

Physical and Chemical Properties

No information available Property VALUES pН melting point Boiling point/boiling range Flash Point **Evaporation Rate** flammability (solid, gas) Flammability Limits in Air **Upper Flammability Limit** Lower Flammability Limit vapor pressure Vapor Density Specific gravity Solubility in Other Solvents Partition coefficient: n-octanol/waterNo information available **Autoignition Temperature** decomposition temperature Kinematic viscositv **Dynamic viscosity Explosive Properties Oxidizing properties**

OTHER INFORMATION

softening point Molecular Weight VOC Content(%) density

No information available

No information available. No information available

No information available

No information available No information available no data available no data available

Powder bluish powder

No information available No Data Available No information available No Data Available No information available 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.

Revision Date 20-May-2015



DM046 / ACID TURQUOISE	Revision Date 20-May-20
Skin Contact	Avoid contact with skin.
INGESTION	Not an expected route of exposure. Do NOT taste or swallow.
Information on Toxicological Effe	<u>cts</u>
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) Specific target organ systemic toxicity (repeated exposure) Chronic toxicity Target organ effects Aspiration Hazard	 well as chronic effects from short and long-term exposure No information available.
Numerical Measures of Toxicity -	
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 com	nponents(s) of unknown hazards to the aquatic environment
Persistence and Degradability No information available.	PLIES
Bioaccumulation No information available.	S SUP
Other Adverse Effects	No information available
	13. Disposal Considerations
Waste treatment	BE
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.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Direct Blue 86	Toxic
1330-38-7	

14. TRANSPORT INFORMATION

SINCE 1969

DOT Description

NOT REGULATED

MEX

ΙΑΤΑ Description NOT REGULATED

IMDG

NOT REGULATED

Description

RID

ADN

15. Regulatory Information

International Inventories

	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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	SARA 313 - Threshold Values %
Direct Blue 86	1.0

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

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Direct Blue 86		Х		

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

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Direct Blue 86		X	X		
International regulatio	ns_	PLI			
CANADA		SUF			

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



Health Hazard 1

flammability 1

Physical hazard 0

PERSONAL **PROTECTION** F

16. Other Information Revision Date 20-May-2015 **Revision note** No information available. No information available. **Restrictions on use** WWW.DHARMATRADING.COM **Contact Information Website**

Disclaimer

af a stora cation Th combination 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

Safety Data Sheet

Issuing Date 12-May-2015

Revision Date 12-May-2015

Version 2

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

Product Identifier Product Code Product name

DM047 ACID VIOLET 90

Recommended use of the chemical and restrictions on use **Synonyms** N/A

Supplier's details **Recommended use** Uses advised against

Industrial Use Only. No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

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

HING BLANKS SINCE 1969 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 Violet

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.	
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

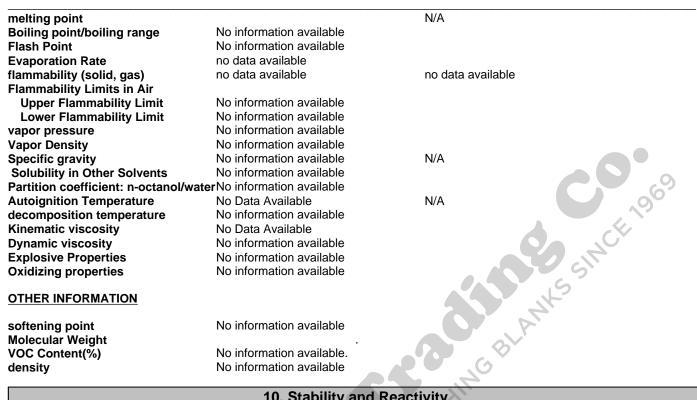
Personal Precautions	Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.
Environmental Precautions	
Environmental Precautions	Prevent further leakage or spillage if safe to do so.
Methods and materials for contain	ment 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 Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. **Technical measures/Storage** conditions 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 **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 eve 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 appearance odor threshold	Powder Violet No information available	Odor	No information available
<u>Property</u> pH	VALUES No information available	Remarks • Method	



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	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	No information available.
toxicity (repeated exposure)	
Aspiration Hazard	No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity

No information available. <u>oduct information</u> 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

RID

ADN

NOT REGULATED

15. Regulatory Information

International Inventories

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

21.ANKS SINCE 1969 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

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SARA 311/312 Hazard Categories Acute health hazard NO. Chronic health hazard NO. NO. Fire hazard 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).

DM047 / ACID VIOLET 90

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 12-May-2015 **Revision Date** No information available. **Revision note**

Restrictions on use

WWW.DHARMATRADING.COM

No information available.

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 27-Apr-2015

Revision Date 27-Apr-2015

Version 2

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

Product Identifier Product Code Product name

DM048 ACID BROWN 282

Recommended use of the chemical and restrictions on use **Synonyms** N/A

Supplier's details **Recommended use** Uses advised against

Industrial Use Only. No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

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

HING BLANKS SINCE 1969 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 Brown

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.	
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

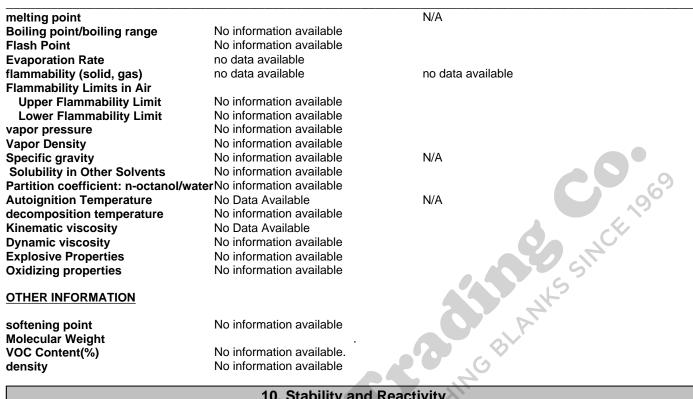
Personal Precautions	Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.
Environmental Precautions	
Environmental Precautions	Prevent further leakage or spillage if safe to do so.
Methods and materials for contain	ment 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, includi	ng 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	exposure infines established by the region specific regulatory bodies
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, suc	ch 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

Physical State appearance odor threshold	Powder Brown No information available	Odor	No information available
<u>Property</u> pH	VALUES No information available	Remarks • Method	



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	No information available. No information available.
carcinogenicity Reproductive Toxicity	No information available. No information available.
Specific target organ systemic	No information available.
toxicity (single exposure) Specific target organ systemic	No information available.
toxicity (repeated exposure) Aspiration Hazard	No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity

No information available. <u>oduct information</u> 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

RID

ADN

NOT REGULATED

SINCE 1969

15. Regulatory Information

International Inventories

TSCA	Listed
EINECS/ELINCS	Listed
DSL	Listed
NDSL	Listed
PICCS	Listed
ENCS	Listed
IECSC	Listed
AICS	Listed
KECL	Listed
NZIoC	Listed

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

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

REACH registration number

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

NO.

94

SARA 311/312 Hazard Categories Acute health hazard

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).

DM048 / ACID BROWN 282

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 27-Apr-2015 **Revision Date Revision note** No information available. Restrictions on use No information available. WWW.DHARMATRADING.COM **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 29-Apr-2015

Revision Date 29-Apr-2015

Version 2

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

Product Identifier Product Code Product name

DM049 **BROWN MIX # 49**

Recommended use of the chemical and restrictions on use **Synonyms** N/A

Supplier's details **Recommended use** Uses advised against

Industrial Use Only. No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

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

HING BLANKS SINCE 1969 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 Brown

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.		
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

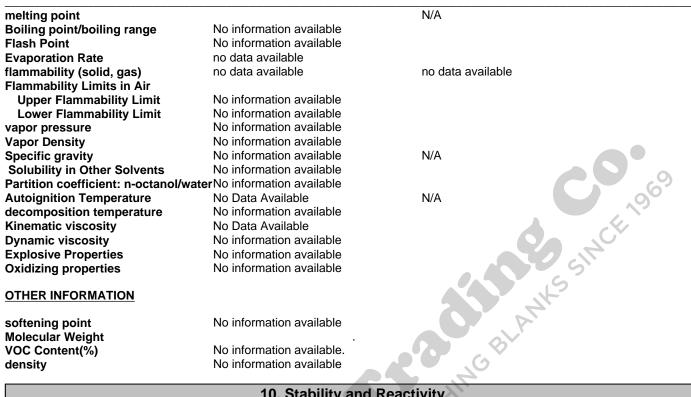
Personal Precautions	Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.
Environmental Precautions	
Environmental Precautions	Prevent further leakage or spillage if safe to do so.
Methods and materials for contain	ment 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 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 Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. **Technical measures/Storage** conditions 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 **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 eve 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 appearance odor threshold	Powder Brown No information available	Odor	No information available
<u>Property</u> pH	VALUES_ No information available	Remarks • Method	



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	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	No information available.
toxicity (repeated exposure)	
Aspiration Hazard	No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity

No information available. <u>oduct information</u> 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

<u>RID</u>

<u>ADN</u>

NOT REGULATED

SINCE 1969

15. Regulatory Information

International Inventories

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

NZIOC - New Zealand Inventory of Chemicals

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

REACH registration number

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

94

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).

DM049 / BROWN MIX # 49

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 29-Apr-2015 **Revision Date Revision note** No information available. Restrictions on use No information available. WWW.DHARMATRADING.COM

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 29-Apr-2015

Revision Date 29-Apr-2015

Version 2

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

Product Identifier Product Code Product name

DM051 **BROWN MIX 51**

Recommended use of the chemical and restrictions on use **Synonyms** N/A

Supplier's details **Recommended use** Uses advised against

Industrial Use Only. No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

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

HING BLANKS SINCE 1969 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	hrown	nowder	1
appearance	DIOWII	powuei	

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

3. Composition/information on Ingredients					
Chemical Name CAS-No Weight % Trade secret					

-

DM051 / BROWN MIX 51	Revision Date 29-Apr-2015				
BROWN IRON OXIDE	1309-37-1 100% *				
	4. First aid measures				
First aid measures for different exp	osure 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	Wash skin with soap and water. Move to fresh air. Clean mouth with water and drink afterwards plenty of water. acute and delayed No information available. ention and special treatment needed, if necessary				
Indication of immediate medical att	ention and special treatment needed, if necessary				
Notes to physician	Treat symptomatically.				
	5. Fire-fighting measures				
Suitable extinguishing media Use extinguishing measures that are a	appropriate to local circumstances and the surrounding environment.				
Unsuitable extinguishing media	Keep away from heat and sources of ignition.				
No information available.	9 B				
Sensitivity to Mechanical Impac 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 Precauti As in any fire, wear self-contained bre protective gear.	ons for Firefighters athing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full				
	6. Accidental release measures				
Personal precautions, protective ec	uipment 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, includ	ing 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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	
BROWN IRON OXIDE	TWA: 5 mg/m ³ respirable fraction		IDLH: 2500 mg/m ³ Fe dust and	
1309-37-1	TWA. 5 mg/m ^e respirable fraction	TWA: 10 mg/m ³ total dust	fume	
			TWA: 5 mg/m ³ Fe dust and fume	
		(vacated) TWA: 10 mg/m3 fume	3, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	
		and total dust		
		(vacated) TWA: 5 mg/m ³		
		respirable fraction regulated under Rouge		
NIOSH IDLH Immediately Dangerou	s to Life or Health			
WOSHIDEN IIIIInediately Dangeloa		9 +		
Exposure guidelines	Vacated limits revoked by the 0	Court of Appeals decision in Al	FL-CIO v. OSHA, 965 F.2d 962	
	(11th Cir., 1992).		,	
Exposure Controls				
Engineering Measures	Showers			
	Eyewash stations			
	Ventilation systems. Apply technical measures to comply with the occupational exposure			
	limits. Process enclosure and/o	or ventilation systems.		
Individual protection measures su	ch as personal protective equi	nmont		
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 i			
	substances; this is irrespective			
	protection.			
Skin and Body Protection	Skin and Body Protection. Wea			
	protective clothing, including be	oots, gloves, lab coat, apron or	r coveralls, as appropriate, to	
	prevent skin contact.			
Respiratory Protection	If experience limits are exceeded	d or irritation is experienced. N	IOSH/MSHA approved	
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.			
		e worn.		
Hygiene Measures	Handle in accordance with goo	d industrial hygiene and safety	practice. Do not eat, drink or	
, , , , , , , , , , , , , , , , , , , ,	smoke when using this product			
	Regular cleaning of equipment			
	gloves and eye/face protection		nd immediately after handling	
	the product. Wear personal pro	otective equipment.		

9. Physical and Chemical Properties

Physical and Chemical Properties

Physical State	Powder		
appearance	brown powder	Odor	No information available
odor threshold	No information available		
Property	VALUES	Remarks • Method	-
рН	No information available		
melting point		N/A	
Boiling point/boiling range	No information available		
Flash Point	No information available		
Evaporation Rate	no data available		
flammability (solid, gas)	no data available	no data available	
Flammability Limits in Air			SINCE 1969
Upper Flammability Limit	No information available		
Lower Flammability Limit	No information available		
vapor pressure	No information available		5
Vapor Density	No information available		5
Specific gravity	No information available	N/A	
Solubility in Other Solvents	No information available		
Partition coefficient: n-octanol/wa			
Autoignition Temperature	No Data Available	N/A	
decomposition temperature	No information available		
Kinematic viscosity	No Data Available		
Dynamic viscosity	No information available		
Explosive Properties	No information available	N/A BL	
Oxidizing properties	No information available		
OTHER INFORMATION		C ^V	
softening point	No information available	-	
Molecular Weight			
VOC Content(%)	No information available.		
density	No information available		
-			
10. Stability and Reactivity			
Popotivity	5		

Reactivity no data available

<u>Chemical Stability</u> 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

INHALATION	Avoid breathing vap	ors or mists.		
Eye Contact	Avoid contact with eyes.			
Skin Contact	Avoid contact with s	Avoid contact with skin.		
INGESTION	Not an expected rou	te of exposure.	Do NOT taste or swallow.	
Chemical Name	LD50 Oral		LD50 Dermal	LC50 Inhalation
BROWN IRON OXIDE	10000 mg/kg (Rat)	N	o Data Available	No Data Available
1309-37-1				
Information on Toxicological Eff	ects_			CINCE 1969
Symptoms	No information avail	able.		
Delayed and immediate effects a	as well as chronic effect	s from short a	nd long-term exposure	
sensitization	No information avail	able.		S
Germ cell mutagenicity	No information avail			15
carcinogenicity				
Chemical Name	ACGIH	IARC	NTP	OSHA
BROWN IRON OXIDE		Group 3		
1309-37-1 IARC: (International Agency for				
Group 3 - Not Classifiable as to Ca			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Reproductive Toxicity	No information available			
Specific target organ systemic toxicity (single exposure)	No information avail	able.		
Specific target organ systemic	No information avail	able	0	
toxicity (repeated exposure)				
Target organ effects	EYES, Respiratory System, skin.			
Aspiration Hazard	No information available.			
•		,5		
Numerical Measures of Toxicity	- Product information			
The following values are calcula	ted based on chapter 3	1 of the GHS d	ocument .	
ATEmix (oral) 10000 mg/kg				
	12. Ecolo	ogical Inform	nation	
ecotoxicity	AK			
100% of the mixture consists of co	mponents(s) of unknown	hazards to the a	aquatic environment	
Persistence and Degradability No information available.	FIR			
Bioaccumulation No information available.				
Other Adverse Effects	No information avail	able		
	13. Dispo	sal Conside	rations	
Waste treatment				
Waste Disposal Methods		terial, as supplie	ronment. Dispose of in ac ed, is not a hazardous wa	cordance with local ste according to state and

Contaminated Packaging

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

14. TRANSPORT INFORMATION

DOT Description MEX	NOT REGULATED NOT REGULATED
IATA Description	NOT REGULATED
IMDG Description	NOT REGULATED
RID	AL
ADN	
	15. Regulatory Information
International Inventories	
TSCA EINECS/ELINCS DSL NDSL PICCS ENCS IECSC AICS KECL NZIOC	Listed Listed Listed Not Determined Listed Listed Listed Listed Not Determined
Legend	
TSCA - United States Toxic Substances Co EINECS/ELINCS - European Inventory of E DSL/NDSL - Canadian Domestic Substance PICCS - Philippines Inventory of Chemicals ENCS - Japan Existing and New Chemical IECSC - China Inventory of Existing Chemical AICS - Australian Inventory of Chemical Su KECL - Korean Existing and Evaluated Che NZIOC - New Zealand Inventory of Chemical	Existing Commercial Chemical Substances/EU List of Notified Chemical Substances es List/Non-Domestic Substances List and Chemical Substances Substances cal Substances bstances emical Substances
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 e chothing B 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

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
BROWN IRON OXIDE	Х	X	Х		

International regulations

Chemical Name	Carcinogen Status	Exposure limits
BROWN IRON OXIDE		Mexico: TWA 5 mg/m ³
		Mexico: STEL 10 mg/m ³

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** F

16. Other Information Revision Date 29-Apr-2015 No information available. **Revision note** No information available. **Restrictions on use** WWW.DHARMATRADING.COM **Contact Information Website**

Disclaimer

ra stora combination combinati 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

Safety Data Sheet

Issuing Date 29-Apr-2015

Revision Date 29-Apr-2015

Version 2

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

Product Identifier Product Code Product name

DM054 VIOLET MIX 54

Recommended use of the chemical and restrictions on use **Synonyms** N/A

Supplier's details **Recommended use** Uses advised against

Industrial Use Only. No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

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

HING BLANKS SINCE 1969 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 Violet

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.	
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

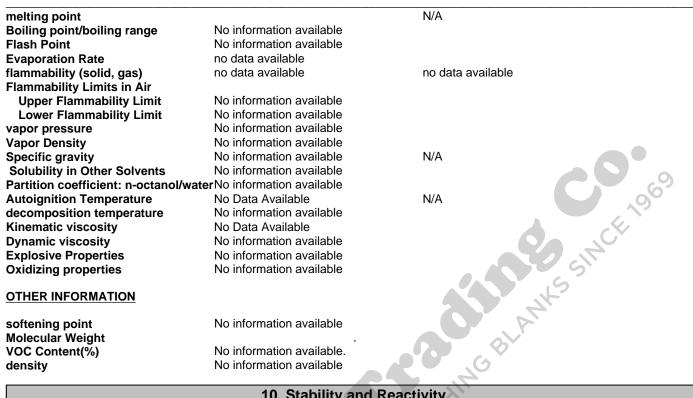
Personal Precautions	Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.
Environmental Precautions	
Environmental Precautions	Prevent further leakage or spillage if safe to do so.
Methods and materials for contain	ment 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 Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. **Technical measures/Storage** conditions 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 **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 eve 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 appearance odor threshold	Powder Violet No information available	Odor	No information available
<u>Property</u> pH	VALUES No information available	Remarks • Method	



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	No information available. 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	No information available.
toxicity (repeated exposure) Aspiration Hazard	No information available.

Numerical Measures of Toxicity - Product information

Unknown Acute Toxicity

No information available. <u>oduct information</u> 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

<u>RID</u>

<u>ADN</u>

NOT REGULATED

SINCE 1969

15. Regulatory Information

International Inventories

TSCA EINECS/ELINCS DSL NDSL PICCS ENCS IECSC AICS KECL NZIOC	Listed Not Determined Not Determined Not Determined Not Determined Not Determined Not Determined 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 - Philippines inventory of Chemicals and Chemic 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

NZIOC - New Zealand Inventory of Chemicals

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

REACH registration number

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

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SARA 311/312 Hazard Categories

NO.
NO.
NO.
NO.
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).

DM054 / VIOLET MIX 54

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 29-Apr-2015 **Revision Date Revision note** No information available. Restrictions on use No information available. WWW.DHARMATRADING.COM

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