

Material Safety Data Sheet
S-160-C

SNP, Inc.

...is Synthetic and Natural Polymers

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Issue Date: 9/11/2012

Revision Date: 6/11/2012

1. Product Identification

Product Name(s): S-160-C

2. Composition / Information on Ingredients

<u>Name</u>	<u>CAS Number</u>
Sodium Alginate	9005-38-3

3. Hazard Identification

Overview: SLIP HAZARD. Material will become slippery if wet.

Appearance: Cream to tan granular powder with slight odor.

Potential Health Effects:

Eyes: Dust presents a mechanical irritant to some individuals.

Skin: None

Inhalation: Excessive inhalation of dust may impede respiration due to hygroscopic properties.

Ingestion: None in small amounts. Large amounts may cause discomfort.

4. First Aid Measures

Eyes: Flush with water and get medical attention if irritation persists.

Skin: Wash with soap and water.

Inhalation: Remove to fresh air. If breathing difficulty persists seek medical attention and treat symptomatically.

Ingestion: If discomfort persists seek medical attention and treat symptomatically.

5. Fire Fighting Measures

Flash Point: na

Flammable Limits: na

Auto-ignition Temperature: >200°C

Extinguishing Media: Use dry chemical, CO₂, foam, or water

Fire and Explosion Hazards: As with most organic materials, excessive accumulation of dust on overhead structures may produce explosive concentrations when suspended in air. Surfaces covered with this material will become slippery when exposed to

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water. Material will self extinguish once flame is removed.
Treat as a Class A fire.

Hazardous Decomposition Products: Oxides of carbon

Fire Fighting Equipment: Fire fighters should use self contained breathing apparatus.

6. Accidental Release Measures

Scoop or sweep the material. Do not wash with water as material will become slippery. Surfaces already wet should be washed with water until no longer slippery. Dispose of material as stated in Section 13.

7. Handling and Storage

Has a shelf life of 6 months. Store the material in a cool dry environment to ensure quality. Keep away from heat sparks and flame. Use local exhaust to control dust. As always use good industrial hygiene and safety.

8. Exposure Controls / Personal Protection

Engineering Controls: Use sufficient local exhaust to remove airborne dust.

Protective Equipment:

Eyes: Safety glasses meeting ANSI Z87.1 code

Skin: na

Respiratory: Use a NIOSH/MSHA approved respirator for airborne dust when working in a closed or dusty environment. OSHA and ACGIH have not established specific exposure limits for this material. However, limits for particulates not otherwise classified are as follows.

OSHA PEL

15 mg/m³ total dust, 8 hour, TWA

5 mg/m³ respirable, 8 hour, TWA

ACGIH TLV

10 mg/m³ inhalable, 8 hour, TWA

3 mg/m³ respirable, 8 hour, TWA

9. Physical and Chemical Properties

Boiling Point: na
Specific Gravity: 0.64
Vapor Pressure: na
Bulk Density (lbs/ft³): 37-43
Vapor Density: na
Moisture: Maximum 15%
Evaporation Rate: na
Melting Point: na
pH: 6.0-8.5 in a 1% solution
Solubility in Water: 100%
Appearance: Cream to tan powder

Odor: Slight

10. Stability and Reactivity

Stability: Stable, Shelf life of 6 months

Hazardous Decomposition Products: Oxides of carbon

Hazardous Polymerization: Will not occur.

Incompatibility: Strong oxidizers

11. Toxicological Information

Eye Effects: Nonirritating (rabbit)

Skin Effects: Nonirritating (rabbit)

Dermal LD₅₀: Not available

Oral LD₅₀: >5,000 mg/kg (rat)

Inhalation LC₅₀: 4.7 mg / L / 1 hr (rat)

Acute Effects from Over Exposure: This product has a low oral and inhalation toxicity. It is not a skin sensitizer. It is expected to have a low dermal toxicity though it may cause chapping of the skin. Swallowing large quantities of material may lead to intestinal blockage. Due to the hydroscopic nature of the material, excessive inhalation of dust may form a paste or gel in the airway.

Chronic Effects from Overexposure: No adverse effects were seen in rats or dogs when sodium alginate was administered at 5% and 15% of their diet respectively. The joint WHO/FAO Expert Committee on Food Additives has granted an Acceptable Daily Intake of "not specified" (no upper limit), the best possible classification for a food additive.

12. Ecological Information

Sodium alginate is biodegradable and is not expected to have significant environmental effects. BOD₅ is approximately 350 mg O₂ /g. and the COD is approximately 655 mg O₂ /g.

13. Disposal Considerations

Treat as a non-hazardous material. No special disposal methods are suggested. It is the user's responsibility to comply with all local, state, and federal laws, rules, standards, and regulations.

14. Transport Information

This product is non-hazardous under the applicable DOT, ICAO/IATA, or IMDG regulations.

15. Regulatory Information

United States: **SARA Title III (Super Fund Amendments and Reauthorization Act)**
Section 302 Extremely Hazardous Substances (40 CFR 355): Not listed
Section 311 Hazard Categories (40 CFR 370): Not listed
Section 312 Threshold Planning Quantity (40 CFR 370): Not listed
Section 313 Reportable Ingredients (40 CFR 372): This product does not contain any toxic chemicals subject to reporting requirements.
CERCLA Regulatory (40 CFR 302.4): Not listed
Proposition 65 Statement: To the best of our knowledge, this product does not contain any chemicals currently on the California list of known carcinogens and reproductive toxins.
TSCA Inventory (40 CFR 710 subpart B): Listed

16. Other Information

Components are permitted for use in food under Title 21 of the Code of Federal Regulations. Refer to Regulations for specific information on use in foods.

HMIS RATING

Health	1
Flammability	1
Reactivity	0
Personal Protective Equipment	X

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