

## Section 1 ~ Identification

|                                                                                  |                                                            |
|----------------------------------------------------------------------------------|------------------------------------------------------------|
| <b>Identity (As Used On Label and List)</b><br><b>B4170 ABSORB BULK</b>          | <b>Date Prepared:</b><br>06/03/25                          |
| <b>Company Information:</b><br>OMEGA INDUSTRIAL SUPPLY, INC                      | <b>Emergency Telephone Number:</b><br>1-800-424-9300       |
| <b>Address (Number, Street, Suite/Apt#)</b><br>1133 WEST 27 <sup>TH</sup> STREET | <b>Telephone Number for Information:</b><br>1-800-571-7347 |
| <b>(City, State, and Zip Code)</b><br>CHEYENNE, WY 82001                         | <b>Signature of Prepare (Optional)</b><br>REGULATORY DEPT. |

## Section 2 ~ Hazard(s) Identification

**Classifications** The components of this product are not regulated as hazardous under 29 CFR and 49 CFR. However, the manufacturer recognizes the potential for respiratory tract irritation as a result of inhalation of this material as a respirable dust. See Sections 8, 11, 14 and 15 for further information.

**Label Elements** N/A **Signal Word:** N/A

**Hazard Statement** N/A

### **Emergency Overview**

Sodium polyacrylate is a white, granular, odorless polymer that forms a gel-like material with water. It is insoluble in water and causes slippery conditions when wet. Although not regulated as a hazardous material, the respirable dust is a potential respiratory tract irritant. An eight-hour exposure limit of 0.05 mg/m<sup>3</sup> is recommended.

### **Potential Health Effects - Eyes**

Dust may cause burning, drying, itching and other discomfort resulting in reddening of the eyes.

**Precautionary Statement**

### **Potential Health Effects - Skin**

Dust exposure, such as in manufacturing, may aggravate existing skin conditions due to drying.

### **Potential Health Effects - Ingestion**

Not a likely route of entry. Tests show that polyacrylate absorbents are non-toxic if ingested. However, as in the instance of any non-food consumption, seek medical attention in the event of any adverse symptoms.

### **Potential Health Effects - Inhalation**

Respirable dust exposure may cause respiratory tract & lung irritation and may aggravate existing respiratory conditions.

**Other Hazards** N/A

**Unknown acute toxicity (GHS US)** N/A

## Section 3 ~ Composition/Information on Ingredients

| <b>CAS #</b>  | <b>Component</b>            | <b>Percent</b> |
|---------------|-----------------------------|----------------|
| 09003-04-7    | Sodium polyacrylate         | >99 %          |
| Not Available | Post Treated – Trade Secret | < 0.5 %        |

## Section 4 ~ First Aid Measures

**First Aid – Eyes:** Immediately flush eyes with water for at least 15 minutes.

**First Aid – Skin:** Remove polyacrylate absorbent dust from skin using soap and water.

**First Aid – Ingestion:** Non-toxic. However, if adverse symptoms appear, seek medical attention.

**First Aid – Inhalation:** If inhaled, move to source of fresh air. Seek medical attention if symptoms persist.

## Section 5 ~ Firefighting Measures

**General Fire Hazards:** No recognized fire hazards associated with the product.

**Upper Flammable Limit (UFL):** NE

**Lower Flammable Limit (LFL):** NE

**Method Used:** None

**Flash Point:** None

**Flammability Classification:** None

**Hazardous Combustion Products:** None known.

**Extinguishing Media:** Dry chemical, foam, carbon dioxide, water fog. Slippery conditions are created if spilled products comes in contact with water.

**Fire Fighting Equipment/Instructions:** Firefighters should wear full protective clothing including self contained breathing apparatus

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**Section 6 ~ Accidental Release Measures**

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**Containment Procedures:** Sweep or vacuum material when possible and shovel into a waste container.

**Clean Up Procedures:** Use caution if product comes in contact with water as slippery conditions may result. Waste residual may be flushed down a drain with water for normal wastewater treatment. This is a non-hazardous waste suitable for disposal in any approved solid waste landfill.

**Evacuation Procedures:** None required.

**Special Procedures:** Avoid respirable dust. Wear a nuisance style dust mask if dusty conditions occur.

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**Section 7 ~ Handling and Storage**

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**Handling Procedures:** Handle as an eye and respiratory tract irritant.

**Storage Procedures:** Store in a dry, closed container.

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**Section 8 ~ Exposure Controls/Personal Protection**

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**Exposure Guidelines**

**General Product Information:** The product is not regulated as a hazardous material. There is however a potential for respiratory tract irritation and an eight-hour exposure limit of 0.05 mg/m<sup>3</sup> is recommended.

**Component Exposure Limits:** No information is available.

**Engineering Controls:** Provide local exhaust ventilation to maintain exposure to < 0.05 mg/m<sup>3</sup> over eight hours.

**Personal Protective Equipment – Eyes & Face:** Safety glasses with side shields or goggles.

**Personal Protective Equipment – Skin:** Use impervious gloves when handling the product in a manufacturing environment.

**Personal Protective Equipment – Respiratory:** Wear a nuisance style dust mask for mild dusty conditions or a high efficiency filter if particulate concentrations exceed 0.05 mg/m<sup>3</sup>.

**Personal Protective Equipment – General:** Follow normal safety precautions and maintain good housekeeping. Wash thoroughly after handling.

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**Section 9 ~ Physical and Chemical Properties**

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**Appearance:** White granular powder

**Odor:** None

**Physical State:** Solid

**pH:** 5.5 to 6.5 (1% in water)

**Vapor Pressure:** <10 mm Hg

**Vapor Density:** N.E.

**Boiling Point:** N.A.

**Melting Point:** > 390°F (> 199° C)

**Solubility (H<sub>2</sub>O):** Not soluble

**Specific Gravity:** 0.4 to 0.7 g/cc

**Evaporation Rate:** < 1.0

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**Section 10 ~ Stability and Reactivity**

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**Chemical Stability:** Product is stable.

**Chemical Stability: Conditions to Avoid:** None

**Incompatibility:** None

**Hazardous Decomposition:** None

**Hazardous Polymerization:** None

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**Section 11 ~ Toxicological Information**

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**General Product Information:** Acute inhalation of respirable dust may cause irritation of upper respiratory tract and lungs.

**Acute Toxicity – LD50/LC50:** Sodium polyacrylate (CAS 09003-04-7) / LD50: Oral Rat > 5000 grams/kilogram

**Carcinogenicity:** None

**Component Carcinogenicity:** No information is available.

**Chronic Toxicity:** Chronic exposure to rats for a two-year lifetime using Sodium Polyacrylate that had been micronized to a respirable size (< 10 µm) produced non-specific inflammation and chronic lung injury at 0.2 mg/m<sup>3</sup> and 0.8 mg/m<sup>3</sup>. Also at 0.8 mg/m<sup>3</sup>, tumors were seen in some test animals. In the absence of chronic inflammation, tumors are not expected. There were no adverse effects detected at 0.05 mg/m<sup>3</sup>.

**Mutagenicity:** Sodium polyacrylate had no effect in mutagenicity tests.

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**Section 12 ~ Ecological Information**

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**Ecotoxicity**

**General Product Information:** Composted polyacrylate absorbents are nontoxic to aquatic or terrestrial organisms at predicted exposure levels from current application rates.

**Component Analysis – Ecotoxicity & Aquatic Toxicity:** No information available

**Environmental Fate:** Polyacrylate absorbents are largely inert in aerobic and anaerobic conditions. They are immobile in landfills and soils systems with the mobile fraction showing biodegradability. They are also compatible with incineration of municipal solid waste. Incidental drain disposal of small quantities of polyacrylate absorbents will not affect the performance of wastewater treatment systems.

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**Section 13 ~ Disposal Considerations**

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**US EPA Waste Number & Descriptions**

**General Product Information:** Product is non-hazardous waste material suitable for approved solid waste landfills.

**Component Waste Numbers:** No EPA Waste Numbers are applicable for this product's components

**Disposal Instructions:** Dispose of in accordance with Local, State and Federal regulations.

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**Section 14 ~ Transportation Information**


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**International Transportation Regulations:** The product is not transport regulated.

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**Section 15 ~ Regulatory Information**


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**U.S. Federal Regulations**

**General Product Information:** The product is not Federally regulated as a hazardous material.

**Clean Air Act:** No information available.

**Component Analysis:** No information available.

**Food & Drug Administration:** Code of Federal Regulations (CFR) references the following regulated components:

- Sodium Polyacrylate (CAS 09003-04-7)
- Direct Food Additives: 173.73, 173.310
- Indirect Food Additives: 175.105

**State Regulations**

**General Product Information:** The product is not regulated by any State as a hazardous material.

**Component Analysis – State:** None of the components are listed on State lists from CA, FL, MA, MN, NJ or PA.

**Component Analysis – WHMIS IDL:** None of the components are listed in the WHMIS IDL.

**Component Analysis – Inventory:**

| <u>Component</u>    | <u>CAS #</u> | <u>TSCA</u> | <u>CAN</u> | <u>EEC</u> |
|---------------------|--------------|-------------|------------|------------|
| Sodium Polyacrylate | 09003-04-7   | Yes         | DSL        | No         |

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**Section 16 ~ Other Information**


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|              | <b>NFPA</b> | <b>HMIS</b> | <b>Key</b>  |
|--------------|-------------|-------------|-------------|
| HEALTH       | 1           | 1           | 4= Severe   |
| FLAMMABILITY | 1           | 1           | 3= Serious  |
| REACTIVITY   | 0           | 0           | 2= Moderate |
|              |             |             | 1= Slight   |
|              |             |             | 0= Minimal  |

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**End of Safety Data Sheet**