

## MATERIAL SAFETY DATA SHEET

# SANDLOCK ADDITIVE & PREMIX

## ORGANIC JOINT SAND STABILIZER



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for the latest MSDS and application info!!*

## SANDLOCK ADDITIVE

### SECTION I - PRODUCT IDENTIFICATION

**Manufacturer's Name:**

SANDLOCK, L.L.C.  
P.O. Box 746  
Prior Lake, Minnesota 55372  
Phone: (952) 226-6833  
Fax: (952) 226-6806  
Toll Free: (800) 241-9153

**Name:** SANDLOCK

**Class:**

**CAS No.:**

**UN No.:**

### SECTION II - HAZARDOUS INGREDIENTS

Psyllium

### SECTION III - PHYSICAL DATA

**VOC:**

**VAPOR PRESSURE:**

N/A

**VAPOR DENSITY (air = 1.0):**

**SPECIFIC GRAVITY:**

N/A

**PERCENT VOLATILE BY VOLUME:**

**EVAPORATION RATE:**

N/A

**SOLUBILITY IN WATER:**

Insoluble, Forms Mucilage

**PH:**

**COEFFICIENT OF WATER/OIL DISTRIBUTION:**

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:**

NONE

**LOWER EXPLOSIVE LIMIT:**

**UPPER EXPLOSIVE LIMIT:**

**EXTINGUISHING MEDIA:**

Water, dry mixture fire extinguisher

**SPECIAL FIREFIGHTING PROCEDURE:**

Not normally necessary.

**UNUSUAL FIRE AND EXPLOSIVE HAZARDS:**

dust concentrations in closed-in areas or compartments.

Treat like grain dust. Avoid high levels of

**SENSITIVITY TO IMPACT:**

None

### SECTION V - HEALTH HAZARD DATA

**IMMEDIATE EFFECTS (ACUTE and CHRONIC):**

Not hazardous - may cause allergic reaction in those individuals sensitive to inhaled or ingested psyllium powder.

Majority of people will experience no adverse reactions when using this product for its intended purposes. Those with allergic reactions should take special care. Avoid high level of dust concentrations in closed-in areas or compartments.

Signs and Symptoms of Exposure: Excessive exposure may produce irritation of skin, eyes or respiratory tract.

Generally aggravated by Exposure: Allergies, asthma, bronchitis, emphysema, dermatitis.

**DELAYED EFFECT:**

## FIRST AID PROCEDURES

**EYES:** Standard eye wash procedures, flush with water.

**SKIN:** Flush with water.

**INHALATION:** Remove victim to fresh air; if breathing is difficult, consult doctor.

**INGESTION:** Consult a physician.

**POSSIBLE ROUTES OF ENTRY:**

## SECTION VI - REACTIVITY DATA

**STABILITY:**

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

## SECTION VII - SPILL OR LEAK PROCEDURES

**RELEASE OF SPILL:**

- Sweep/vacuum, dispose of in accordance with local, state and federal laws. Do not use water - material forms mucilaginous gel.

**WASTE DISPOSAL:**

- Solid waste disposal. Observe regulations.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** Non-toxic particle mask.

**VENTILATION:**

**PROTECTIVE CLOTHING:** Protective gloves, if subject to dermatitis, safety goggles, coveralls to protect clothing from excessive dusting.

## SECTION IX - SPECIAL PRECAUTIONS

Store in tightly sealed containers. Do not get wet, use good housekeeping practices. Avoid breathing dust. Can cause damage to asphalt, so avoid mixing, staging or any contact with asphalt.

# SAND (contained in SANDLOCK PREMIX)

## SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** SAND

**COMMON NAMES:** Crystalline Silica in the form of quartz, silica Sand, Traction Sand

## SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Ingredient:	CAS No.:	OSHA PEL:	ACGIH TLV:
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Silica, as quartz	14808-60-7	mg/m <sup>3</sup> 10/ (%SiO <sub>2</sub> +2)	mg/m <sup>3</sup> 0.1
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*Exposure limits are for respirable fraction*

Crystalline free silica, in the form of quartz, is present in these sands at a maximum level of 3% by weight. The proportion of the silica that is in the respirable size range (<10 μm particle size) varies and is always less than 0.015 percent of the total sand by weight.

NIOSH recommends a Permissible Exposure Limit (PEL) of 0.5 mg/m<sup>3</sup> for respirable free silica.

## SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

**PHYSICAL STATE:** Solid

**ODOR / APPEARANCE:** Natural sand or rock particles (maximum size ½ inch), no distinctive odor

**VAPOR PRESSURE:** N/A

**VAPOR DENSITY:** N/A

**EVAPORATION RATE:** N/A

**BOILING POINT:** N/A

**FREEZING POINT:** N/A

**pH in WATER:** Insoluble in water

**SPECIFIC GRAVITY:** 2.65

**Coef. Water/Oil Dist.** N/A

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<b>FLAMMABILITY:</b>	Non flammable	<b>MEANS OF EXTINGUISHMENT:</b>	Non-combustible. May be used to extinguish fires.
<b>FLASH POINT:</b>	N/A	<b>Hazardous Combustion Products:</b>	None
<b>Upper / lower Flam. Limit:</b>	N/A		
<b>AUTOIGNITION TEMP.:</b>	N/A		

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### EXPLOSION DATA

<b>Sensitivity to Impact:</b>	None
<b>Sensitivity to Static Discharge:</b>	None

## SECTION V - REACTIVITY DATA

<b>CHEMICAL STABILITY:</b>	Stable
<b>INCOMPATIBILITY WITH OTHER SUBSTANCES:</b>	ClF <sub>3</sub> , MnF <sub>3</sub> , OF <sub>2</sub>
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	None

## SECTION VI - HEALTH HAZARD DATA

The portion of each product that can be classified as respirable crystalline silica is described in the following section. The remainder of the material is not classified as a health hazard.

### Symptoms of overexposure to crystalline silica

**Inhaled:** Shortness of breath, coughing, reduced pulmonary function.

Excessive inhalation of crystalline silica dust will result in respiratory disease, including silicosis, pneumoconiosis and pulmonary fibrosis.

**Contact with eyes or skin:** Eye irritation

**Ingestion:** May cause gastrointestinal discomfort.

**Suspected cancer agent?** Yes - respirable crystalline silica portion only.

Federal OSHA No

NTP Yes. Respirable Crystalline silica has been listed in the 6th Annual Report on Carcinogens.

IARC Yes. Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans (Vol 68, 1997) concludes that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the forms of quartz and cristobalite (Group 1) in certain industrial circumstances, but that carcinogenicity may be dependent on inherent characteristics of the crystalline silica or external factors affecting its biological activity or distribution if its polymorphs.

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### Medical Conditions Aggravated by Exposure

Individuals with pulmonary or respiratory disease should avoid exposure to dust.

**First Aid Procedures** See section IX

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

### Personal Protective Equipment:

Where the creation of dust is unavoidable, use conventional NIOSH approved or equivalent respiratory protection equipment based on considerations of airborne concentration and duration of exposure

**Gloves:** Impervious to moisture

**Eye:** Use appropriate eye protection to minimize contact with dust from dry product, or with wet product after mixing with water.

**Other:** Wear appropriate clothing and footwear for the specific application.  
Clean clothing which has become dusty.

## SECTION VIII - CONTROL MEASURES

### Engineering Controls:

Use adequate ventilation. Do not permit dust to accumulate in work area.

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### Leak and Spill Procedure:

If uncontaminated, collect for reuse or disposal. Use dustless procedures. If contaminated, use appropriate method and container for contaminant.

## **SECTION VIII - continued**

### **Waste Disposal:**

If uncontaminated, dispose as a non-metallic mineral.

If contaminated, use appropriate method for contaminant in accordance with applicable regulation(s).

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### **Handling Procedures and Equipment:**

Avoid creation of respirable dust if possible. Use adequate ventilation and dust collection.

Avoid contact with wet product during use.

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### **Storage Requirements:**

Store in a dry place.

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### **Special Shipping Information:**

Protect from moisture.

## **SECTION IX - FIRST AID MEASURES**

**Eyes:** Flush with running water for at least 15 minutes. Obtain medical attention.

**Skin:** Wash with soap and water. For caustic burns to skin, consult a doctor.

**Ingestion:** Drink large amounts of water. Do not induce vomiting. Seek immediate medical attention.

### **Gross Inhalation of Dust:**

Remove to fresh air. Give oxygen with artificial respiration as needed. Obtain medical attention for treatment, observation and support as needed.

### **DISCLAIMER:**

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