

Material Safety Data Sheet

Material Name: XSORB® Rock Solid™ Paint Hardener

Section 1 – Chemical Product and Company Identification

Product Name: XSORB® Rock Solid™ Paint Hardener

Formula: A blend of sodium potassium alumina silicate and crosslinked sodium polyacrylate.

CAS#: 93763-70-3, 9033-79-8

Hazard Label: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0= Minimal 1= Slight 2= Moderate 3= Serious 4= Severe *= Chronic Hazard

Date Prepared: 2/5/10

Section 2 – Composition / Information on Ingredients

Chemical Name: Amorphous siliceous mineral silicate CAS# 93763-70-3; crosslinked sodium polyacrylate CAS# 9033-79-8

Crystalline silica quartz less than 0.10% CAS No. 14808-60-7

Cristobalite – Non-Detectable CAS No. 14464-46-1

Section 3 – Hazards Identification

Potential Acute Health Effects: Inhalation of heavy concentrations may cause mild irritation of upper respiratory tract and lungs.

Target Organs: Eyes, lungs

Potential Chronic Health Effects: Inhaling over long periods of high amounts of any nuisance dust may overload lung clearance mechanism and make lungs more vulnerable to respiratory disease.

Section 4 – First Aid Measures

Inhalation: Remove the person to fresh air. Get medical attention if irritation or discomfort persists.

Skin: No hazards which require special first aid measures.

Ingestion: The product is not considered toxic based on studies on laboratory animals.

Eyes: Flush with eye wash solution or water for 15 minutes. Get medical attention if irritation or discomfort persists.

Section 5 – Fire Fighting Measures

Flash Point: Non-flammable

Upper Flammable Limit (UFL): N/A

Lower Flammable Limit (LFL): N/A

Auto Ignition: N/A

General Fire Hazards: Not a fire hazard.

Extinguishing Media: Water, CO₂, and dry chemical

Fire Fighting Equipment/Instructions: None applicable if product is unused. If used to absorb flammable liquids, then consult MSDS of the flammable liquid. Slippery conditions may be created if spill product comes in contact with water.

Section 6 – Accidental Release Measures

Containment Procedures:

Sweep with broom or vacuum into a suitable disposal container. Avoid respirable dust inhalation during clean up.

Comply with state and local regulations for disposal of these products. If used to collect liquid material, dispose in compliance with MSDS of collected liquid.

Section 7 – Handling and Storage

Handling Procedures

Wear appropriate personal protection to avoid contact with skin and eyes. Remove material after absorption has taken place. Reseal container after use. Wash hands after use.

Storage Procedures

Keep in a dry, cool place. Store in a closed container.

Section 8 – Exposure Controls / Personal Protection

Exposure Limits

OSHA PEL	ACGIH TLV	Other
0.05 mg/m ³	0.05 mg/m ³	N/A

An 8 hour exposure limit of 0.05 mg/m³ recommended.

PERSONAL PROTECTIVE EQUIPMENT:

Eyes/Face: Safety glasses with side shields/goggles are recommended. Do not wear contact lenses.

Skin: Gloves are recommended. No special protective clothing required.

Respiratory: If respirable dust exceeds 0.05 mg/m³, use a ventilated respirator with P3 filter cartridge.

Ventilation: A system of local exhaust may be used to keep exposures as low as possible.

Section 9 – Physical & Chemical Properties

Appearance: White or Buff aggregate or powder

Odor: No odor

Physical State: Granular Solid

pH: 5 - 7

Vapor Pressure: Negligible

Vapor Density: Not applicable

Boiling Point: Not applicable

Melting Point: >2000 degrees F

Solubility (H₂O): 1% Slightly

Specific Gravity: Neutral=2.28

Freezing Point: Not applicable

Evaporation Rate: Not applicable

Percent Volatile: Not applicable

VOC: Not applicable

Section 10 – Chemical Stability & Reactivity Information

Chemical Stability: This is a stable material.

Conditions to Avoid:

Incompatibilities: Hydrofluoric Acid and strong bases such as sodium hydroxide.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition products: Reacts with Hydrofluoric Acid to form toxic silicon tetra fluoride gas. Thermal decomposition may produce nitrogen oxides (NO_x), carbon oxides.

Section 11 – Toxicological Information

Acute Toxicity LD₅₀ / LC₅₀:

CAS# 93763-70-3 Amorphous siliceous mineral silicate is considered non-toxic.

CAS# 9033-79-8 Non toxic, LD₅₀/oral > 5000 mg/kg (Rat), LD₅₀/dermal > 2000 mg/kg (rabbit)

Chronic Toxicity: A chronic (2 year) inhalation study on rats using micronized superabsorbent dust with a particle size of Φ m established a definite NOEL of 0.05 mg/m³. In a few of the test animals, a non-specific inflammatory response was observed at the intermediate dose level of 0.2 mg/m³. The only tumorigenic response occurred in the lungs of a few rats at the high dose level of 0.8 mg/m³

Section 12 – Ecological Information

Eco-toxicity & Aquatic Toxicity: Composted product is non-toxic to aquatic or terrestrial organisms at predicted exposure levels. This product is immobile in landfills and soil systems (> 90% retention).

Section 13 – Disposal Considerations

No EPA waste numbers are applicable for this product's components.

Disposal Instructions: When unused, product can be land-filled or incinerated, when in compliance with applicable Local, State, and Federal regulations.

Section 14 – Transportation Information

US DOT Information: Not Regulated

Canada TDG: Not Regulated

Section 15 – Regulatory Information

This product is not a hazardous article and need not be labeled according to EC-Directive as amended.

US Federal Regulations

TSCA: Complies with all applicable rules or orders under TSCA

Other Regulations

WHMIS IDL: Below WHMIS Classification of 0.1 mg/m

Section 16 – Other Information

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial and local laws.

Contact information:

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