
Material Safety Data Sheet

Material Name: XSORB® Select Super Absorbent

Section 1 – Chemical Product and Company Identification

Product Name: XSORB® Select Super Absorbent

CAS#: 93763-70-3

Formula: A sodium potassium alumina silicate of various compositions. Other inert ingredients are proprietary.

Chemical Name: Amorphous siliceous mineral silicate

Hazard Label: None Required

Date Prepared: 2/5/10

Section 2 – Composition / Information on Ingredients

OSHA PEL	ACGIH TLV	Other
10 mg/m3	15 mg/m3	N/A

5 mg/m3 A respirable dust

Alpha quartz - 0.01 to 0.05

Alpha-Cristobalite & Tridymite– Less than 0.1%

Section 3 – Hazards Identification

Health Effects

Acute Health Effects: None Known

Inhalation: Congestion and irritation of throat, nasal passages and upper respiratory systems. Persons sensitive to inert dust may experience coughing when exposed to heavy concentration of airborne material.

Skin: Not applicable

Absorption: Not applicable

Ingestion: Not hazardous. Generally regarded as safe by FDA.

Eyes: Temporary irritation and inflammation.

Target Organs: Lungs

Primary Routes of Entry (Exposure): Inhalation

Medical Conditions Aggravated by Exposure: Pre-existing upper respiratory and lung disease such as, but not limited to bronchitis, emphysema and asthma.

Section 4 – First Aid Measures

Inhalation: If a person sensitive to inert dust experiences coughing, remove the person to an area clear of dust.

Skin: Not applicable

Ingestion: Not applicable

Eyes: If dust particles lodge in eyes, use standard eye wash solutions or water and allow eyes to clear.

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

Section 5 – Fire Fighting Measures

Flash Point: Non-flammable

Upper Flammable Limit (UFL): N/A

Auto Ignition: N/A

Rate of Burning: Not determined

General Fire Hazards: Not a fire hazard.

Extinguishing Media: None applicable if product is unused.

Fire Fighting Equipment/Instructions: None applicable if product is unused. If used to absorb flammable liquids, then consult MSDS of the flammable liquid.

Method Used: Not determined

Lower Flammable Limit (LFL): N/A

Flammability Classification: Not determined

Section 6 – Accidental Release Measures

Containment Procedures:

Sweep with broom. If product is dry and dusty, add water to suppress dust. If a water spill occurs skim or net material from water.

Clean-Up Procedures

Wastes are not hazardous as defined by the Resource Conservation and Recovery Act (RCRA; 40 CFR 261). 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

Maintain good housekeeping practice. Remove material after absorption has taken place. Reseal container after use to prevent evaporation of wetting agent.

Storage Procedures

Warehouse storage should be in accordance with package directions, if any. Material should be kept dry and protected from the elements.

Section 8 – Exposure Controls / Personal Protection

Exposure Guidelines

A: General Product Information

No special protective measures are necessary for use of the products listed on this material safety data sheets. Under normal conditions of use they are not expected to release or otherwise result in exposure to hazardous chemicals.

B. Component Exposure Limits

This material has no components listed.

PERSONAL PROTECTIVE EQUIPMENT:

Eyes/Face: Safety glasses/goggles usually not necessary.

Skin: Not applicable

Respiratory: Even though classified as a nuisance dust and treated with anti-dust wetting agent, we recommend use of NIOSH approved dust respirator when excessive dust concentrations are airborne.

Ventilation: Not applicable

Section 9 – Physical & Chemical Properties

Appearance: White or Buff aggregate or powder

Physical State: Solid Particles

Vapor Pressure: Negligible

Boiling Point: Not applicable

Solubility (H₂O): <1% Slightly

Freezing Point: Not applicable

Percent Volatile: Not applicable

Odor: No odor

pH: Not applicable

Vapor Density: Not applicable

Melting Point: <2000 degrees F

Specific Gravity: 0.1 to .04

Evaporation Rate: Not applicable

VOC: Not applicable

Section 10 – Chemical Stability & Reactivity Information

Chemical Stability: This is a stable material.

Conditions to Avoid: None in designated use.

Hazardous Polymerization: Will not occur.

Incompatibility: Hydrofluoric Acid

Hazardous Decomposition products: Reacts with Hydrofluoric Acid to form toxic silicon tetra fluoride gas.

Section 11 – Toxicological Information

Acute Toxicity

General Product Information: This product is not expected to cause any acute toxicological effects.

Component Analysis – LD₅₀/LC₅₀: This material has no components listed.

Carcinogenicity

General Product Information: The occupational Safety and Health Administration (OSHA), National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), and American Conference of Governmental Industrial Hygienists (ACGIH) have classified amorphous siliceous mineral silicate as a non-carcinogen.

Component Carcinogenicity: Contains less than 0.1% crystalline silica.

Chronic Toxicity: No chronic health effects are expected from the normal use of this product.

Section 12 – Ecological Information

Ecotoxicity:

General Product Information: This material is not harmful to the environment.

Component Analysis – Ecotoxicity – Aquatic Toxicity: This material has no aquatic toxicity and has passed the Abalone Larval Toxicity Test showing that it will cause no harm to aquatic life. Ecotoxicity is not applicable. The principal ingredient of this product is commonly used as a soil amendment.

Section 13 – Disposal Considerations

US EPA Waste Number & Descriptions

General Product Information: This product is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations.

Component Waste Numbers: This material has no components listed.

Disposal Instructions: If not contaminated, landfill approved as defined by RCRA 40CFR part 261. If used to collect liquid material, dispose of waste material in compliance with MSDS of collected liquid and according to Local, State, Federal, and Provincial Environmental Regulations.

Section 14 – Transportation Information

US DOT Information

Shipping Name: Not Regulated for Transport.

Section 15 – Regulatory Information

US Federal Regulations

General Product Information: No information on this product as a whole.

Component Analysis: This material has no components listed.

State Regulations

General Product Information: No information available.

Component Analysis – State: This material has no components listed.

Other Regulations

TSCA Status: This material has no components listed.

WHMIS IDL: Not applicable, 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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