

Material Safety Data Sheet

Material Name: XSORB® Acid Neutralizing Super Absorbent

Section 1 – Chemical Product and Company Identification

Product Name: XSORB® Acid Neutralizing Super Absorbent

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

CAS#: 93763-70-3, 497-19-8

Hazard Label: Fire 0, Health 2, Reactivity 1, Personal Protection E

Date Prepared: 2/5/10

Section 2 – Composition / Information on Ingredients

Chemical Name: Amorphous siliceous mineral silicate CAS# 93763-70-3; sodium carbonate CAS# 497-19-8

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: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation (lung irritant).

Target Organs: Eyes, skin, and lungs

Potential Chronic Health Effects: Repeated or prolonged exposure to the substance can produce target organ damage.

Section 4 – First Aid Measures

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

Skin: Wash with plenty of soap and water. Cover the irritated skin with an emollient. Remove and wash contaminated clothing and shoes. Get medical attention if irritation persists.

Ingestion: Drink large amounts of water. Do not induce vomiting. Get medical attention.

Eyes: Flush with eye wash solution or water for 15 minutes, occasionally lifting the upper and lower lids. 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: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

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

Special Remarks: Sodium carbonate may explode when applied to red-hot aluminum. Sodium carbonate can ignite and burn fiercely in contact with fluoride. Sodium carbonate in contact with fluorine decomposed at ordinary temperature with incandescence.

Section 6 – Accidental Release Measures

Containment Procedures:

Sweep with broom or vacuum into a suitable disposal container. Wear appropriate personal protection. Avoid creating dusty conditions. 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. Remove material after absorption has taken place. Reseal container after use to prevent evaporation of wetting agent. Wash thoroughly after use.

Storage Procedures

Store in a closed container in a dry place away from incompatible materials.

Section 8 – Exposure Controls / Personal Protection

Exposure Limits

OSHA PEL	ACGIH TLV	Other
10 mg/m3	10 mg/m3	N/A
5 mg/m3 A respirable dust		

PERSONAL PROTECTIVE EQUIPMENT:

Eyes/Face: Safety glasses/goggles are recommended.

Skin: Wear gloves and body covering clothing to prevent skin exposure.

Respiratory: We recommend use of NIOSH approved dust respirator.

Ventilation: A system of local and/or general 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: Solid Particles

pH: 11.3

Vapor Pressure: Negligible

Vapor Density: Not applicable

Boiling Point: 1600 degrees F

Melting Point: 850 degrees F

Solubility (H2O): 8% 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: Incompatible materials, dust generation, excess heat, moist air

Incompatibilities: Hydrofluoric Acid, strong oxidizing agents, metals, fluorine, hydrogen peroxide, phosphorus pentoxide, 2, 4, 6-trinitrotoluene, 2, -4-dinitrotoluene, lime dust + moisture

Hazardous Polymerization: Will not occur.

Hazardous Decomposition products: Reacts with Hydrofluoric Acid to form toxic silicon tetra fluoride gas, carbon monoxide, carbon dioxide, toxic fumes of sodium oxide

Section 11 – Toxicological Information

Acute Toxicity LD50 / LC50:

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

CAS# 497-19-8 Acute oral toxicity 4090 mg/kg (Rat), Acute toxicity of the dust 1200 mg/m3 2 hours (mouse)

Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65

Chronic Toxicity: May cause damage to the following organs – upper respiratory tract, skin, eyes

Section 12 – Ecological Information

Ecotoxicity: No information available

Aquatic Toxicity: Fish, Bluegill/Sunfish LC50 320 mg/L; 96 Hr.; Static conditions – No data available

Section 13 – Disposal Considerations

US EPA Waste Number & Descriptions

Component Waste Numbers: None listed.

Disposal Instructions: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14 – Transportation Information

US DOT Information: Not Regulated

Canada TDG: Not Regulated

Section 15 – Regulatory Information

US Federal Regulations

TSCA: CAS# 497-19-8 is listed on the TSCA inventory

SARA Codes: CAS# 497-19-8 immediate

State Regulations

Not present on state lists from CA, PA, MN, MA, FL, or NJ.

CA Prop 65: not listed

Other Regulations

WHMIS IDL: D2B classification

Canadian Ingredient Disclosure List: CAS# 497-19-8 is listed on the Canadian Ingredient Disclosure List

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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