

Safety Data Sheet -

This SDS was prepared for Abzorbit Spill Containment Material prior to absorbing a liquid spill. Once any liquid has been absorbed, the SDS of that material should also be followed for safety, handling and disposal.

SECTION 1 - Chemical Product and Company Identification

Trade Name(s): ABZORBIT PREMIUM ABSORBENT **CAS #:** 93763-70-3
Chemical Name: Sodium Potassium Aluminum Silicate **Formula:** Mixture
Product Use: Spill Containment Absorbent Material, Sweeping Absorbent for Liquid and Semi-Liquid Spills.
Manufacturer: ABZORBIT INC. **Address:** 2628 N West Blvd **City:** Newton **State:** North Carolina **Zip:** 28658
Telephone: (828) 464-9944 **Emergency:** (828) 464-9944
Preparation date of SDS: May 30, 2015 revised: July 8, 2015
SDS Original Prepared By: Kenneth Wiener Revision by: Stephanie Setzer (828) 464-9944

SECTION 2 – Hazards Identification

Signal word: None required. The respirable crystalline silica content falls below the 0.1% threshold needed for a signal word.
GHS Hazard Pictogram: None. This material has been evaluated and does not require a pictogram.
GHS Hazard Statement: None. This material has been evaluated and does not present any GHS hazards.
Hazards Not Otherwise Classified: Mechanical irritation only.

Supplemental information based on route of entry:

Skin contact: Repeated or prolonged contact may cause skin dryness as skin oils are absorbed.

Skin absorption: N/A

Eye contact: May irritate or injure eyes, mechanically.

Inhalation: Upper respiratory irritant: May aggravate pre-existing respiratory conditions. Long-term inhalation of respirable crystalline silica can cause disabling lung disease (silicosis).

Ingestion: LD50 not established, presumed over 10,000 mg/kg.

Sensitization: Non-sensitizing.

Emergency Overview: Coarse and fine particle size products represent inhalation hazards that can readily be controlled with appropriate dust protection equipment and techniques. Avoid processes that generate unnecessary dust.

Potential Health Effects: See above regarding long term exposure: skin irritation, silicosis and eye irritation

SECTION 3 – Composition/Information on Ingredients

Product Description/Components: Expanded amorphous powder or granules, CAS# 93763-70-3

Hazardous Ingredients Respirable Quartz CAS# 14808-60-7 % <0.1 (Not Detected)

ACGIH TLV, mg/cu.m.	NIOSH. mg/cu.m	OSHA PEL, mg/cu.m
0.025	0.05	0.1

Quartz: Oral, rat LD50: >20,000 mg/kg LC50: Not Available

SECTION 4 – First Aid Measures-

SDS of material being absorbed should also be followed for all safety and disposal methods

Skin Contact: Wash off with soap and water. Skin lotion will quickly replace oils lost due to drying effect of Abzorbit.

Eye Contact: Flush eyes with plenty of water. Remove contact lenses if easy to do so. Continue rinsing. Do not rub eyes, acts as silicate or sand and can scratch the eye. Consult eye doctor for proper care.

Inhalation: Remove to fresh air. Get medical attention if victim is uncomfortable or not breathing.

Ingestion: Do not induce vomiting. Rinse mouth.

SECTION 5 - Fire Fighting Measures

Follow SDS for that material for all safety measures the absorbed liquid can still be flammable

Flammable: No:

Means of Extinction: Use extinguishing media appropriate for spilled material that is on fire or could be set on fire.

Explosion Data - Sensitivity to Impact: None

Explosion Data - Sensitivity to Static Discharge: None; silicates are considered non-combustible dust

Hazardous Combustion Products: N/A

NFPA: Health: 0, Flammability: 0, Reactivity: 0, Other: None

HMIS Ratings: Health: *(See SDS), Flammability: 0, Reactivity: 0, Personal Protection: E

SECTION 6 - Accidental Release Measures

Leak and Spill Procedures: Normal clean-up and Good Housekeeping procedures. Care should be taken to avoid causing dust to become airborne. Vacuum or Sweep to remove. If dusty, wetting spilled material with water may control dust and make clean up easier. Consult SDS of Liquid absorbed.

SECTION 7 - Handling and Storage

Handling Procedures and Equipment: Avoid creating unnecessary dust. Avoid: Hydrofluoric Acid

Remove absorbed spilled material from surface as soon as liquid has been absorbed.

Follow SDS of liquid absorbed for best disposal or removal practices.

Storage Requirements: Store with other dusty materials, away from products that could be affected by dust. Best if stored in air tight container to maintain best absorption potential.

SECTION 8 - Exposure Control/Personal Protection

Exposure Limits

ACGIH TLV: 10 mg/m³ total dust 3 mg/m³ respirable dust OSHA PEL: 15 mg/m³ total dust 5 mg/m³ respirable dust

Engineering Controls

- General: Good housekeeping rules apply
- Local exhaust from work stations using this material
- Water spray to minimize dusting if appropriate

Recommended Personal Protective Equipment: Follow SDS of liquid absorbed for recommendations as well.

- Plastic or Rubber Gloves if skin dryness occurs.
- Respirator – NIOSH/OSHA/MSHA approved dust respirator adequate for contaminant concentrations encountered.
- Eye protection recommended due to avoid the dust flying to get into eyes
- Disposable footwear for frequent handling of this material and/or liquid absorbed
- Coveralls for frequent handling of this material

SECTION 9 – Physical and Chemical Properties

Physical State: Solid powder aggregate Odor and Appearance: White to off white powder or granules with no odor

Odor Threshold (ppm): N/A Specific Gravity: 2.35 Vapor Density (air=1): N/A Vapor Pressure (mmHg): N/A

Flash Point (°C) and method (open cup or closed cup): N/A Upper Flammable Limit (% by volume): N/A

Lower Flammable Limit (% by volume): N/A Autoignition Temperature (°C): N/A Evaporation Rate: N/A

Boiling Point (°C): N/A Freezing Point (°C): N/A pH: 6.5 – 7.5, as 10% slurry in distilled water

Coefficient of Water/Oil Distribution: N/A Solubility in Water: Negligible Visual Detection Method Only

SECTION 10 - Stability and Reactivity

Chemically Stable?: Yes. Hazardous polymerization will not occur.

Incompatibility with other substances? Yes: Hydrofluoric acid (HF)

Reactivity, and under what conditions?: Toxic silicon tetrafluoride (SiF₄) gas will result with contact with hydrofluoric acid.

Hazardous Decomposition Products: See above

SECTION 11 - Toxicological Information

Effects of Acute Exposure: Slightly hazardous in case of skin, eye or inhalation: Irritant

Effects of Chronic Exposure:

Irritancy of Product: Potential for creating skin dryness.

Respiratory Irritation: Upper Respiratory Irritant: May aggravate pre-existing respiratory conditions.

Long-term inhalation of respirable crystalline silica can cause disabling lung disease (silicosis). For a comprehensive review, see: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4002636/> Carcinogenicity: These products contain less than 1% crystalline silica, of which very low percentages (0.1 – 5.0%) are particles of respirable size. These products hence contain far lower than 0.1% respirable crystalline silica and present very low risk.

IARC: Not reviewed ACGIH: PNOS/C/R (Particulates Not Otherwise Specified/Classified/Regulated), Not carcinogenic

Reproductive Toxicity: Not available Teratogenicity: Not established Embryotoxicity: Not available

Mutagenicity: Ames: Not available

SECTION 12 – Ecological Information

Aquatic Toxicity: Low hazard for usual industrial or commercial handling. Approved for use in soils as long as nothing has been absorbed into product.

SECTION 13 – Disposal Considerations

Waste Disposal: Dispose of this product in accordance with all applicable local, state and Federal regulations. If contaminated by other substances, the manner of disposal would be governed by those substances.

SECTION 14 – Transport Information

DOT: No special requirements IMO: Non-hazardous ICAO: Non-hazardous

SECTION 15 – Regulatory Information

OSHA: Label as required by Hazard Communication Standard 29 CFR 1910.1200 (f) and applicable state and local laws and regulations

TSCA: Included as a naturally occurring material

EUROPE: Exempt from REACH as a naturally occurring mineral, not chemically modified. Status confirmed in Annex V Guidance Document Version 1.1, November 2012

California Proposition 65: WARNING: This product contains chemicals (respirable crystalline silica) known to the State of California to cause cancer.

SECTION 16 – Other Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

Information provided in this document is believed to be accurate as of May 29, 2015 and may be subject to change without notice. The information is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation with respect to such information is intended or given. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.