

MATERIAL SAFETY DATA SHEET

Product Identification: **XSORB® UNIVERSAL Super Absorbent**

Product Description: **All purpose absorbent for liquids and semi-liquids**

1/1/03

I. Manufacturer's Identification

Manufacturer: **Impact Absorbent Technologies, Inc.**

Address: P.O. Box 1131, Atascadero, CA 93423

Emergency Telephone: (805) 466-4709

Date Prepared or revised: 1/1/03

II. Product Identification

Trade Name: XSORB Super Absorbent

Chemical Name: Amorphous siliceous mineral silicate

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

Hazardous components: None

OSHA PEL ACGIH TLV OTHER

10 mg/m³ 10 mg/m³ NA

5 mg/m³ A respirable dust

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

Cristobalite-ND CAS No. 14464-46-1

III. Physical/Chemical Characteristics

Appearance: White/BufF aggregate or powder

Odor: No odor

Boiling Point: N/A

Vapor Pressure: (mm Hg): N/A

Vapor Density: (Air = 1): N/A

Solubility in Water: % Slightly

Specific Gravity: (H₂O = 1): natural = 2.28,

Expanded = .08-.20

Melting Point: 2400°

Evaporation Rate: (Butyl Acetate = 1): N/A

Biodegradable: No

IV. Fire and Explosion Hazard Data

Flash Point: Non-flammable

Flammable Limits: N/A

LEL: None UEL: None

Extinguishing & Explosion media: Not applicable if unused. If used to collect flammable liquids, then consult MSDS of flammable liquid.

V. Reactivity Data

Material is stable. Hazardous polymerization will not occur.

Incompatibility (Materials to avoid): Hydrofluoric Acid

Conditions to Avoid: None in designated use.

Hazardous Decomposition products: Reacts with hydrofluoric acid to form toxic silicon tetra fluoride gas.

VI. Health Hazards A. Summary/Risks

Contains less than 0.1% crystalline silica. A nuisance dust. Treated with an anti-dust wetting agent.

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

Medical conditions aggravated by exposure: Pre-existing upper respiratory and lung disease such as, but not limited to bronchitis, emphysema and asthma.

Target Organs: Lungs

Acute Health Effects: None known.

Primary Entry Route: Inhalation

VI. B. Signs/Symptoms of Over Exposure

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 Contact or Absorption: N/A

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

Eyes: Temporary irritation and inflammation.

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

VII. Precautions for Safe Handling & Use

Steps to be taken in case material is released or spilled: Sweep with broom and dispose as for any inert, non-carcinogenic solid waste.

Waste Disposal Method: If not contaminated, landfill approved as defined by RCRA (40CFR part 261). If used to collect liquid material, dispose in compliance with MSDS of collected liquid.

WHMIS CLASS: Not Applicable

Below WHMIS Classification of 0.1 mg/m.

VIII. Control Measures

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

Ventilation: Local Exhaust: NA Mechanical: NA

Special: NA

Other: NA

Protective Gloves: Not necessary

Eye Protection: Safety glasses/goggles usually not necessary.

Other Protective Clothing: Not Necessary

Work/Hygienic Practices: Maintain good housekeeping practice.

Remove material after absorption has taken place. Reseal bag after use to prevent evaporation of wetting agent.

Submitted by: Gary D. Tharp, Vice President

As of the date of submittal of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state law. However, no warranty or representation with respect to such information is intended or given.