

MATERIAL SAFETY DATA SHEET

Product Identification: **XSORB II Super Absorbent**

Product Description: **All-purpose Super Absorbent**

1/1/2006

I. Manufacturer's Identification

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

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

Emergency Telephone: (805) 466-4709

Date Prepared: 01/01/06

II. Product Identification

Trade Name: XSORB II Super Absorbent

Chemical Identity: A blend of amorphous aluminum silicate and crosslinked sodium polyacrylate

Description: Absorbent for liquids other than hydrofluoric acid and highly alkaline liquids.

III. Component Data

CAS or Chemical Name: Amorphous siliceous mineral silicate and crosslinked sodium polyacrylate.

Formula: Proprietary

Hazardous components: None

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

Crystalline silica quartz less than .10% CAS no. 14808-60-7 / 09003-04-7

Crosslinked sodium polyacrylate CAS No. 9003-04-7

IV. Physical/Chemical Characteristics

Appearance: White aggregate or powder

Odor: None

Boiling Point: N/A

Vapor Pressure: (mm Hg): Less than 10

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

Solubility in Water: % Slightly

Specific Gravity: (H₂O = 1): natural = 2.28, expanded = .08-.20

Melting Point: Above 350 F

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

Biodegradable: No

V. Fire and Explosion Hazard Data

Flash Point: Non-flammable

Flammable Limits: Non-flammable

LEL: None UEL: None

Extinguishing & Explosion media: Water, CO₂, and dry chemical

Unusual fire and explosion hazards: Slippery conditions are created if spilled product comes in contact with water.

VI. Reactivity Data

Material is stable. Hazardous polymerization will not occur.

Incompatibility (Materials to avoid): Hydrofluoric acid and strong bases such as sodium hydroxide.

Conditions to Avoid: None in designated use.

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

VII. Health Hazards A. Summary/Risks

Routes of entry: Inhalation: Yes Skin: No Ingestion: No
Health hazards: Acute (short term) inhalation of heavy concentrations may cause mild irritation of upper respiratory tract (nose, throat) and lungs.

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.

Acute Health Effects: None known.

VII. 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. Remove to fresh air.

Skin protection: No special protective clothing required.

Gloves recommended.

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

Eyes: Temporary irritation and inflammation. Goggles recommended.

If dust particles lodge in eyes, use standard eye wash solutions or water for at least 15 minutes. In case of persistent eye irritation, consult a physician.

VIII. 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. Handle as an eye irritant. Avoid contact with eyes. Wear gloves, goggles and NIOSHA approved mask.

Waste Disposal Method: If not contaminated, landfill approved
If used to collect liquid material, dispose in compliance with MSDS of collected liquid.

Below WHMIS Classification of 0.1 mg/m.

IX. Control Measures

Respiratory Protection: 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: Recommended.

Eye Protection: Goggles recommended. Do not wear contact lenses.

Other Protective Clothing: Not Necessary

Work/Hygienic Practices: Maintain good housekeeping practice. Remove material after absorption has taken place.

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.

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