

MATERIAL SAFETY DATA SHEET

Product Identification: **XSORB® OUTDOOR All-Purpose Super Absorbent**

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

1/03

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

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

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I. Product Identification

Trade Name: XSORB Outdoor All-Purpose Super Absorbent

Formula: Potassium-calcium-sodium-aluminosilicate- amorphous silica of various compositions

Components:

Silica, Amorphous, CAS No. 61790-53-2

Concentration % >78.0%

OSHA PEL : 10.00 mg/m³ ACGIH TLV: 10.00 mg/m³

Potassium-calcium-sodium-aluminosilicate, CAS No. 1318-02

Concentration % >21.0-22.0%

OSHA PEL: 10.00 mg/m³ ACGIH TLV: 10.00 mg/m³

Silica, crystalline (cristobalite), CAS No. 14464-46-1

Concentration % <.07-.1%

OSHA PEL: 0.05 mg/m³ ACGIH TLV: 0.05 mg/m³

Trace amounts of other inert proprietary ingredients

II. Physical/Chemical Characteristics

Appearance: Buff to off-white, odorless, granular

Boiling Point: N/A

Vapor Pressure: (mm Hg): N/A

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

Solubility in Water: <1% Slightly

Appearance: Buff to off-white, odorless, granular

Boiling Point: N/A

Vapor Pressure: (mm Hg): N/A

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

Solubility in Water: <1% Slightly

Specific Gravity: 1.5 – 1.7

Expanded = .08-.20

Melting Point: 1800^o - 2400^o

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

Biodegradable: No

III. Fire and Explosion Hazard Data

Flash Point: Non-flammable

Flammable Limits: Non-flammable

LEL: N/A UEL: N/A

Extinguishing & Explosion media: Not applicable if unused.

If used to collect flammable liquid, then consult MSDS of liquid.

IV. 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

V. Health Hazards A. Summary/Risks

Route of entry: Inhalation: Yes Skin: No Ingestion: No 1%

Health hazards: (Acute/Chronic)

Contains less than 0. crystalline silica. Considered a nuisance dust.

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.

VI. B. Signs/Symptoms of Over Exposure- First Aid / Emergency Procedures

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 from area. Drink water to clear throat and blow nose.

Skin Contact or Absorption: N/A Ingestion: Not hazardous.

Eyes: Temporary irritation and inflammation. If dust particles lodge in eyes, use standard eye wash solutions or flush with copious quantities of water and allow eyes to clear.

VII. Precautions for Safe Handling & Use

Steps to be taken in case material is released or spilled: Wet sweep with broom and dispose as for any inert waste. Avoid creating dust.

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.

VIII. Control Measures

Respiratory Protection: Use 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: Minimum- Goggles only necessary when excessive dust concentrations are airborne.

Other Protective Clothing: Not Necessary

Work/Hygienic Practices:

Minimize dust when using.

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.