

Safety Data Sheet

XSORB® Acid Neutralizing Super Absorbent

SDS Revision Date:

12/23/2014

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity

XSORB® Acid Neutralizing Super Absorbent

Alternate Names

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

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use

See Technical Data Sheet.

Application Method

See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name

Impact Absorbents, Inc
5255 Traffic Way
Atascadero, CA 93422. USA

Emergency

CHEMTREC (USA)

(800) 424-9300

Customer Service: Impact Absorbents, Inc

805-466-4709

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Eye Irrit. 2;H319

Causes serious eye irritation.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Warning

H319 Causes serious eye irritation.

[Prevention]:

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and

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easy to do - continue rinsing.

P337+313 If eye irritation persists: Get medical advice / attention.

[Storage]:

No GHS storage statements

[Disposal]:

No GHS disposal statements

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Amorphous Alumina Silicate Perlite CAS Number: 0093763-70-3	50 - 75		[1][2]
Sodium carbonate CAS Number: 0000497-19-8	25 - 50	Eye Irrit. 2;H319	[1]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Inhalation

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

Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

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.

4.2. Most important symptoms and effects, both acute and delayed

Overview

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.

See section 2 for further details.

Eyes

Causes serious eye irritation.

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5. Fire-fighting measures

5.1. Extinguishing media

Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for fire-fighters

Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

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.

None applicable if product is unused. If used to absorb flammable liquids, then consult SDS of the flammable liquid.

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

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 SDS of collected liquid.

7. Handling and storage

7.1. Precautions for safe handling

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.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

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

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

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

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No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000497-19-8	Sodium carbonate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0093763-70-3	Amorphous Alumina Silicate Perlite	OSHA	TWA 15 mg/m3 (total) TWA 5 mg/m3 (resp)
		ACGIH	No Established Limit
		NIOSH	TWA 10 mg/m3 (total) TWA 5 mg/m3 (resp)
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000497-19-8	Sodium carbonate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0093763-70-3	Amorphous Alumina Silicate Perlite	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

- Respiratory** We recommend use of NIOSH approved dust respirator.
- Eyes** Safety glasses/goggles are recommended.
- Skin** Wear gloves and body covering clothing to prevent skin exposure.
- Engineering Controls** A system of local and/or general exhaust may be used to keep exposures as low as possible.
- Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	White or Buff aggregate or powder Solid
Odor	Odorless
Odor threshold	Not Measured
pH	11.3

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Melting point / freezing point	850 degrees F
Initial boiling point and boiling range	1600 degrees F
Flash Point	Non-flammable
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	Negligible
Vapor Density	Not Measured
Specific Gravity	Neutral=2.28
Solubility in Water	8% Slightly
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Incompatible materials, dust generation, excess heat, moist air.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Reacts with Hydrofluoric Acid to form toxic silicon tetra fluoride gas, carbon monoxide, carbon dioxide, toxic fumes of sodium oxide.

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50,	Skin LD50,	Inhalation	Inhalation	Inhalation
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	mg/kg	mg/kg	Vapor LD50, mg/L/4hr	Dust/Mist LD50, mg/L/4hr	Gas LD50, ppm
Amorphous Alumina Silicate Perlite - (93763-70-3)	No data available	No data available	No data available	No data available	No data available
Sodium carbonate - (497-19-8)	4,090.00, Rat - Category: 5	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Amorphous Alumina Silicate Perlite - (93763-70-3)	Not Available	Not Available	Not Available
Sodium carbonate - (497-19-8)	300.00, Lepomis macrochirus	265.00, Daphnia magna	242.00 (72 hr), Freshwater Algae

12.2. Persistence and degradability

There is no data available on the preparation itself.

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12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable DOT Label: ---	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user	No further information		

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	D2B
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes

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Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous :

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

N.J. RTK Substances (>1%):

Amorphous Alumina Silicate Perlite

Penn RTK Substances (>1%):

Amorphous Alumina Silicate Perlite

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H319 Causes serious eye irritation.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

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.

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