

Safetec Zorb Sheets

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## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Safetec Zorb Sheets**

Other means of identification : 44001,44002,44003,44004

Recommended use of the chemical and restrictions on use

: Absorbent  
Restriction on use: None known

Chemical family : The Superabsorbent (Polyacrylate) polymer granules bonded between two cellulose or a variety of non-woven sheets.

Name, address, and telephone number  
of the supplier:

**Safetec of America, Inc.**

887 Kensington Avenue  
Buffalo, NY, USA  
14215

Supplier's Telephone # : (716) 895-1822

24 Hr. Emergency Tel # : 1-800-255-3924

### SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

This product is considered to be an 'article' or 'manufactured article' under 29 CFR Part 1910.1200 (Hazcom ) in the United States, and the Hazardous Products Act (HPA) and Hazardous Products Regulations (HPR) (WHMIS) in Canada.

Label elements

*Hazard pictogram(s)*

None required under U.S. OSHA Hazcom and Canadian WHMIS regulations.

*Signal Word*

Not required

*Hazard statement(s)*

Not required

*Precautionary statement(s)*

Not required

Other hazards

May cause an allergic skin reaction (e.g. hives, rash) in some hypersensitive individuals.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

This article contains these materials but under normal conditions of use, it would not present a physical hazard or health risk to individuals.

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Sodium polyacrylate	N/Av	9003-04-7	20.0 - 84.0
Cellulose	Hydroxycellulose	9004-34-6	16.0 - 80.0

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The exact concentrations of the above listed chemicals are being withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Inhalation* : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Skin contact* : If skin irritation or rash occurs: Get medical attention. IF ON SKIN: Gently wash with plenty of soap and water. Wash contaminated clothing before reuse.
- Eye contact* : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

#### Most important symptoms and effects, both acute and delayed

- : May cause an allergic skin reaction (e.g. hives, rash) in some hypersensitive individuals. Symptoms may include redness, itching and swelling.

#### Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

- Suitable extinguishing media* : Super Absorbent Laminate does not pose a fire hazard, however normal fires can be extinguished using water mist, CO<sub>2</sub>, or Dry Chemical (AB, BC, ABC) extinguishers.
- Unsuitable extinguishing media* : Do not use a solid water stream as it may scatter and spread fire.

#### Special hazards arising from the substance or mixture / Conditions of flammability

- : Although Super Absorbent Laminate poses not fire-related hazards, a self-contained breathing apparatus is recommended to limit exposure to combustion products when fighting any fire

#### Flammability classification (OSHA 29 CFR 1910.106)

- : Not flammable.

#### Hazardous combustion products

- : Carbon oxides

#### Special protective equipment and precautions for firefighters

- Protective equipment for fire-fighters* : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
- Special fire-fighting procedures* : Fight fires from a safe distance. Water spray may be useful in cooling equipment exposed to heat and flame.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

- : Wear protective gloves and eye, face protection. Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling.

#### Environmental precautions

- : Avoid release to the environment.

#### Methods and material for containment and cleaning up

- : Sweep up or vacuum up spillage and collect in suitable container for disposal.

#### Special spill response procedures

- : None known or reported by the manufacturer.

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### SECTION 7. HANDLING AND STORAGE

#### Precautions for safe handling

: Handle in accordance with good industrial hygiene and safety practice. Do not ingest or swallow. Wash hands thoroughly after handling. Avoid dust formation.

**Conditions for safe storage** : Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Super Absorbent Laminate should be stored in a dry, cool and well-ventilated area.

Incompatible materials include strong acids, strong bases, and strong oxidizers.

**Incompatible materials** : Strong oxidizing agents, acids and bases.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Sodium polyacrylate	10 mg/m <sup>3</sup> (total dust) ; 5 mg/m <sup>3</sup> (Respirable fraction)	N/Av	15mg/m <sup>3</sup> (total dust) ; 5 mg/m <sup>3</sup> (Respirable fraction)	N/Av
Cellulose	10 mg/m <sup>3</sup>	N/Av	15 mg/m <sup>3</sup> (total dust); 5 mg/m <sup>3</sup> (respirable)	N/Av

#### Exposure controls

##### Ventilation and engineering measures

: Use sufficient local exhaust ventilation, or other engineering controls as necessary. General ventilation should be sufficient for most operations.

**Respiratory protection** : If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators.

**Skin protection** : Wear protective gloves/clothing. Advice should be sought from glove suppliers.

**Eye / face protection** : Wear safety goggles or glasses as appropriate for the job.

**Other protective equipment** : Wear long sleeved clothing, such as a lab coat, to prevent skin contact.

##### General hygiene considerations

: Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** : Solid article.

**Colour** : White.

**Odour** : Odorless.

**Odour threshold** : Not available.

**pH** : Not available.

**Melting Point/Freezing point** : Not available.

#### Initial boiling point and boiling range

: Not available.

**Flash point** : Not available.

**Flashpoint (Method)** : Not applicable.

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**Evaporation rate (BuAe = 1)** : Not available.  
**Flammability** : Not applicable.  
**Lower explosion or flammability limit (% by vol.)**  
: Not available.  
**Upper explosion or flammability limit (% by vol.)**  
: Not available.  
**Oxidizing properties** : Not applicable  
**Explosive properties** : Not explosive  
**Vapour pressure** : Not available.  
**Relative vapour density** : Not available.  
**Relative density / Specific gravity**  
: Not available.  
**Solubility in water** : Complete  
**Other solubility(ies)** : Not available.  
**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution**  
: Not available.  
**Auto-ignition temperature** : Not available.  
**Decomposition temperature** : Not applicable.  
**Viscosity** : Not available.  
**Particle characteristics** : Not applicable.  
**Volatiles (% by weight)** : Not available.  
**Volatile organic Compounds (VOC's)**  
: Not available  
**Absolute pressure of container**  
: Not applicable  
**Flame projection length** : Not applicable  
**Other physical/chemical comments**  
: Not applicable

**SECTION 10. STABILITY AND REACTIVITY**

**Reactivity** : Not normally reactive.  
**Chemical stability** : Stable under the recommended storage and handling conditions prescribed.  
**Possibility of hazardous reactions**  
: Hazardous polymerization will not occur.  
**Conditions to avoid** : Moisture. Extremes of temperature and direct sunlight. Avoid dust formation.  
**Incompatible materials** : Strong oxidizing agents, acids and bases.  
**Hazardous decomposition products**  
: Carbon oxides

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure:**

**Routes of entry inhalation** : YES  
**Routes of entry skin & eye** : YES  
**Routes of entry Ingestion** : YES  
**Routes of exposure skin absorption**  
: NO

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### Potential Health Effects:

#### Signs and symptoms of short-term (acute) exposure

##### *Sign and symptoms Inhalation*

: Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.

##### *Sign and symptoms ingestion*

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

##### *Sign and symptoms skin*

: Direct skin contact may cause slight or mild, transient irritation.

##### *Sign and symptoms eyes*

: Direct eye contact may cause slight or mild, transient irritation.

#### Potential Chronic Health Effects

: Prolonged or repeated inhalation of dusts could cause lung disease (pneumoconiosis).

#### Mutagenicity

: Not expected to be mutagenic in humans.

#### Carcinogenicity

: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

#### Reproductive effects & Teratogenicity

: Not expected to have other reproductive effects.

#### Sensitization to material

: May cause an allergic skin reaction (e.g. hives, rash) in some hypersensitive individuals. Not expected to be a respiratory sensitizer.

**Specific target organ effects** : This material is not classified as hazardous under U.S. OSHA regulations (29 CFR 1910.1200) and Canadian WHMIS regulations (Hazardous Products Regulations).

#### Medical conditions aggravated by overexposure

: Not applicable

#### Synergistic materials

: Not applicable

#### Toxicological data

: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u> <u>inh, rat</u>	<u>LD<sub>50</sub></u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Sodium polyacrylate	N/Av	>8250mg/kg	N/Av
Cellulose	> 5.8 mg/L (dust)	> 5000 mg/kg	> 2000 mg/kg

#### Other important toxicological hazards

: Not applicable

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

: Not expected to be harmful to aquatic organisms.

#### Ecotoxicity data:

<u>Ingredients</u>	<u>CAS #</u>	<u>Toxicity to Fish</u>		
		<u>LC<sub>50</sub> / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Sodium polyacrylate	9003-04-7	N/Av	N/Av	None.
Cellulose	9004-34-6	N/Av	N/Av	None.

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<u>Ingredients</u>	CAS #	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Sodium polyacrylate	9003-04-7	N/Av	N/Av	None.
Cellulose	9004-34-6	N/Av	N/Av	None.

<u>Ingredients</u>	CAS #	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Sodium polyacrylate	9003-04-7	N/Av	N/Av	None.
Cellulose	9004-34-6	N/Av	N/Av	None.

**Persistence and degradability**

: No data is available on the product itself.

**Bioaccumulation potential**

: No data is available on the product itself.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Sodium polyacrylate (CAS 9003-04-7)	N/Av	N/Av

**Mobility in soil**

: No data is available on the product itself.

**Other Adverse Environmental effects**

: No data is available on the product itself.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Handling for Disposal**

: See Section 7 (Handling and Storage) for further details. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not cut, weld, drill or grind on or near this container.

**Methods of Disposal**

: Dispose in accordance with all applicable federal, state, provincial and local regulations.

**RCRA**

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method.





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### SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	
<b>49CFR/DOT Additional information</b>	None.				
TDG	None.	Not regulated.	not regulated	none	
<b>TDG Additional information</b>	None.				
TDG	None.	Not regulated.	not regulated	none	
<b>TDG Additional information</b>	None.				
IMDG	None.	Not regulated.	not regulated	none	
<b>IMDG Additional information</b>	None.				

**Special precautions for user** : Keep away from heat, sparks and open flame - No smoking.

**Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

### SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de Minimis Concentration
Sodium polyacrylate	9003-04-7	Yes	N/Ap	N/Av	No	NS
Cellulose	9004-34-6	Yes	None.	None.	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: None.

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### US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Sodium polyacrylate	9003-04-7	No	N/Ap	No	No	No	No	No	No
Cellulose	9004-34-6	No	N/Ap	No	Yes	Yes	Yes	Yes	Yes

### Canadian Information:

All ingredients are present on the DSL.

### International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Sodium polyacrylate	9003-04-7	N/Av	Present	Present	N/Av	N/Av	Present	N/Av
Cellulose	9004-34-6	232-674-9	Present	Present	(5)-6960	KE-05339	Present	May be used as a single component chemical under an appropriate group standard.

## SECTION 16. OTHER INFORMATION

### Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- CSA: Canadian Standards Association
- DOT: Department of Transportation
- EPA: Environmental Protection Agency
- IARC: International Agency for Research on Cancer
- LC: Lethal Concentration
- LD: Lethal Dose
- N/Ap: Not Applicable
- N/Av: Not Available
- NFPA: National Fire Protection Association
- NIOSH: National Institute of Occupational Safety and Health
- NTP: National Toxicology Program
- PEL: Permissible exposure limit
- SARA: Superfund Amendments and Reauthorization Act
- STEL: Short Term Exposure Limit
- TDG: Canadian Transportation of Dangerous Goods Act & Regulations
- TLV: Threshold Limit Values
- TWA: Time Weighted Average

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