

Safetec Zorb Sheets

SDS Revision Date (mm/dd/yyyy): 11/02/2020

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## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Safetec Zorb Sheets**

Other means of identification : Not available.

Recommended use of the chemical and restrictions on use

: Not available.  
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

Name, address, and telephone number of the manufacturer:

Refer to supplier

### 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 2012) in the United States, and the Hazardous Products Act (HPA) and Hazardous Products Regulations (HPR) (WHMIS 2015) in Canada.

Label elements

Hazard pictogram(s)

None required under U.S. OSHA Hazcom 2012 and Canadian WHMIS 2015 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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### 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 advice/attention. IF ON SKIN: Gently wash with plenty of soap and water. Wash contaminated clothing before re-use.
- 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 thoroughly after handling. Wash contaminated clothing before reuse.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

**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 available.

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**Evaporation rate (BuAe = 1)** : Not available.  
**Flammability (solid, gas)** : Not applicable.  
**Lower flammable limit (% by vol.)**  
: Not available.  
**Upper flammable limit (% by vol.)**  
: Not available.  
**Oxidizing properties** : None.  
**Explosive properties** : Not explosive  
**Vapour pressure** : Not available.  
**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.  
**Volatiles (% by weight)** : Not available.  
**Volatile organic Compounds (VOC's)**  
: N/Av  
**Absolute pressure of container**  
: N/Av  
**Flame projection length** : N/Av  
**Other physical/chemical comments**  
: None reported by the manufacturer.

**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 (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

#### Medical conditions aggravated by overexposure

: Pre-existing skin, eye and respiratory disorders.

#### Synergistic materials

: None known or reported by the manufacturer.

#### 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>LD<sub>50</sub></u>	
	<u>inh, rat</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

: None known or reported by the manufacturer.

### 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>LC50 / 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.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
 : Not available.

### SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

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

Ingredients	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 minimus 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:

WHMIS Classification: Refer to Section 2 for a WHMIS Classification for this product.  
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  
 CNS: Central Nervous System  
 CSA: Canadian Standards Association  
 DOT: Department of Transportation  
 EPA: Environmental Protection Agency  
 HSDB: Hazardous Substances Data Bank  
 IARC: International Agency for Research on Cancer  
 Inh: Inhalation  
 IUCLID: International Uniform Chemical Information Database  
 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  
 OSHA: Occupational Safety and Health Administration  
 PEL: Permissible exposure limit

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RCRA: Resource Conservation and Recovery Act  
 RTECS: Registry of Toxic Effects of Chemical Substances  
 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  
 WHMIS: Workplace Hazardous Materials Identification System.

- References** :
1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for
  2. ECHA - European Chemical Agency
  3. Canadian Centre for Occupational Health and Safety, CCHInfoWeb databases, (Chempendium, HSDB and RTECs).
  4. Safety Data Sheets from manufacturer.
  5. US EPA Title III List of Lists
  6. California Proposition 65 List
  7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal

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:

**Other special considerations for handling**

: Provide adequate information, instruction and training for operators.

<p><b>Prepared for:</b>          Safetec of America, Inc.          887 Kensington Avenue          Buffalo, NY, USA          14215          Telephone: 716-895-1822          www.safetec.com</p>	
<p><b>Prepared by:</b>          ICC The Compliance Center Inc.          Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada)  <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

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