

Safetec Zorb Sheets

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

Page 1 of 9

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

Safetec Zorb Sheets

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

Page 2 of 9

SAFETY DATA SHEET**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, CO₂, 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.

Safetec Zorb Sheets

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

Page 3 of 9

SAFETY DATA SHEET

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 ³ (total dust) ; 5 mg/m ³ (Respirable fraction)	N/Av	15mg/m ³ (total dust) ; 5 mg/m ³ (Respirable fraction)
Cellulose	10 mg/m ³	N/Av	15 mg/m ³ (total dust); 5 mg/m ³ (respirable)

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.

Safetec Zorb Sheets

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

Page 4 of 9

SAFETY DATA SHEET

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

Safetec Zorb Sheets

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

Page 5 of 9

SAFETY DATA SHEET

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>LC₅₀(4hr)</u>	<u>LD₅₀</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.

Safetec Zorb Sheets

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

Page 6 of 9

SAFETY DATA SHEET

<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.

Safetec Zorb Sheets

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

Page 7 of 9

SAFETY DATA SHEET

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	
49CFR/DOT Additional information	None.				
TDG	None.	Not regulated.	not regulated	none	
TDG Additional information	None.				
TDG	None.	Not regulated.	not regulated	none	
TDG Additional information	None.				
IMDG	None.	Not regulated.	not regulated	none	
IMDG Additional information	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:

<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	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.

Safetec Zorb Sheets

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

Page 8 of 9

SAFETY DATA SHEET

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

Safetec Zorb Sheets

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

Page 9 of 9

SAFETY DATA SHEET

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, CCInfoWeb 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.

<u>Prepared for:</u> Safetec of America, Inc. 887 Kensington Avenue Buffalo, NY, USA 14215 Telephone: 716-895-1822 www.safetec.com	
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