

Green Z®

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**SAFETY DATA SHEET****SECTION 1. IDENTIFICATION****Product identifier used on the label**: **Green Z®****Other means of identification** : 9900075, 42002, 22003, 42004, 42005, 42008, 42010, 42012, 42015, 42016, 42019, 42020, 42022, 42023, 42029, 42031, 42034, 42035, 42131, 42175, 42220**Recommended use of the chemical and restrictions on use**: Absorbent  
Restriction on use: None known**Chemical family**

: Substance

**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**

Off-white powder Odorless.

This material is not classified as hazardous under U.S. OSHA regulations (29 CFR 1910.1200) and Canadian WHMIS

regulations (Hazardous Products Regulations).

**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**

Other hazards which do not result in classification: None expected, when used as intended.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance

<b>Chemical name</b>	<b>Common name and synonyms</b>	<b>CAS #</b>	<b>Concentration (% by weight)</b>
Superabsorbent Polymer	Not available.	9033-79-8	100.00

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**SAFETY DATA SHEET****SECTION 4. FIRST-AID MEASURES****Description of first aid measures**

- Ingestion* : None required when used as intended. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Inhalation* : None required when used as intended. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Skin contact* : None required when used as intended. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Eye contact* : None required when used as intended. 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**

- : None expected, when used as intended.

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

- : Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES****Extinguishing media***Suitable extinguishing media*

- : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

*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**

- : Burning may produce irritating, toxic and obnoxious fumes.

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

- : Not flammable.

**Hazardous combustion products**

- : Carbon oxides. Sodium 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. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. 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**

- : None required under normal conditions.

**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**

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the National Response Center in the United States (phone: 1-800-424-8802).  
US CERCLA Reportable quantity (RQ): See section 15.

**SECTION 7. HANDLING AND STORAGE****Precautions for safe handling**

- : Handle in accordance with good industrial hygiene and safety practice. Do not ingest or swallow.

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**Conditions for safe storage** : Store in a cool, dry area.

**Incompatible materials** : Strong reducing agents

### 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>
Superabsorbent Polymer	N/Av	N/Av	N/Av	N/Av

#### Exposure controls

##### Ventilation and engineering measures

: None required under normal conditions.

**Respiratory protection** : None required under normal conditions.

**Skin protection** : None required under normal conditions.

**Eye / face protection** : None required under normal conditions.

**Other protective equipment** : None required under normal conditions.

##### General hygiene considerations

: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** : Solid -powder

**Colour** : off-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

**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** : Swells on contact with water.

**Other solubility(ies)** : Not available.

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**SAFETY DATA SHEET****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.**Incompatible materials** : Reducing agents**Hazardous decomposition products**

: None known, refer to hazardous combustion products in Section 5.

**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

**Potential Health Effects:****Signs and symptoms of short-term (acute) exposure***Sign and symptoms Inhalation*

: None expected, when used as intended.

*Sign and symptoms ingestion*

: None expected, when used as intended.

*Sign and symptoms skin*

: None expected, when used as intended.

*Sign and symptoms eyes*

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

**Potential Chronic Health Effects**

: None expected, when used as intended.

**Mutagenicity** : Not expected to be mutagenic in humans.**Carcinogenicity** : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

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### Reproductive effects & Teratogenicity

: Not expected to have other reproductive effects.

### Sensitization to material

: Not expected to be a skin or 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 data available for this product.

<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>
Superabsorbent Polymer	N/Av	N/Av	N/Av

### 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>
Superabsorbent Polymer	9033-79-8	N/Av	N/Av	None.

<u>Ingredients</u>	<u>CAS #</u>	<u>Toxicity to Daphnia</u>		
		<u>EC<sub>50</sub> / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Superabsorbent Polymer	9033-79-8	N/Av	N/Av	None.

<u>Ingredients</u>	<u>CAS #</u>	<u>Toxicity to Algae</u>		
		<u>EC<sub>50</sub> / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Superabsorbent Polymer	9033-79-8	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>
Superabsorbent Polymer (CAS 9033-79-8)	N/Av	N/Av

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### SAFETY DATA SHEET

**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.

**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.

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### 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
Superabsorbent Polymer	9033-79-8	Yes	N/Ap	N/Av	No	N/Ap

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

#### 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
Superabsorbent Polymer	9033-79-8	No	N/Ap	No	No	No	No	No	No

#### 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
Superabsorbent Polymer	9033-79-8	N/Av	Present	Present	(6)-901	Not listed	Present	Present

### SECTION 16. OTHER INFORMATION

#### Legend

- : CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- 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
- NTP: National Toxicology Program
- OSHA: Occupational Safety and Health Administration
- PEL: Permissible exposure limit
- SARA: Superfund Amendments and Reauthorization Act
- STEL: Short Term Exposure Limit
- TDG: Canadian Transportation of Dangerous Goods Act & Regulations

