

Red Z™, 1% Chlorine

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**SAFETY DATA SHEET****SECTION 1. IDENTIFICATION****Product identifier used on the label**: **Red Z™, 1% Chlorine****Product Code(s)** : 9900073 - Drop-ins, pouch, bottle, bucket and drums**Recommended use of the chemical and restrictions on use**: Absorbent  
Use pattern: Professional Use Only  
Restriction on use: None known**Chemical family** : Mixture**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**

Off-white powder slight chlorine

This product is sold as a personal care item that is safe for consumers and other users under normal and reasonably foreseeable use. As such, it is not regulated under Hazcom 2012/WHMIS 2015 labeling and SDS requirements do not apply.

**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**

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

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

Mixture

| <u>Chemical name</u>   | <u>Common name and synonyms</u> | <u>CAS #</u> | <u>Concentration (% by weight)</u> |
|------------------------|---------------------------------|--------------|------------------------------------|
| Superabsorbent Polymer | Not available.                  | 9033-79-8    | 99.00                              |

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### 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. Direct eye contact may cause slight or mild, transient irritation. Prolonged skin contact may cause skin irritation.

#### 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

- : Chlorine.; Hydrogen chloride

#### 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.

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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.

**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

**Appearance** : Off-white powder.

**Odour** : slight chlorine

**Odour threshold** : Not available.

**pH** : Not available.

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

**Initial boiling point and boiling range**

: Not available.

**Flash point** : Not available.

**Flashpoint (Method)** : closed cup

**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.

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**SAFETY DATA SHEET****Relative density / Specific gravity**

: Not available.

**Solubility in water** : Swells on contact with water.**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.**Incompatible materials** : Incompatible materials (see Section 7).**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. Prolonged contact may cause redness and irritation.

*Sign and symptoms eyes*

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

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**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.

**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 (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 data available for this product.

| <u>Chemical name</u>   | LC <sub>50</sub> (4hr) | LD <sub>50</sub>   |                         |
|------------------------|------------------------|--------------------|-------------------------|
|                        | <u>inh, rat</u>        | <u>(Oral, rat)</u> | <u>(Rabbit, dermal)</u> |
| Superabsorbent Polymer | N/Av                   | N/Av               | N/Av                    |

**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>     | CAS No    | Toxicity to Fish       |               |          |
|------------------------|-----------|------------------------|---------------|----------|
|                        |           | LC <sub>50</sub> / 96h | NOEC / 21 day | M Factor |
| Superabsorbent Polymer | 9033-79-8 | N/Av                   | N/Av          | None.    |

| <u>Ingredients</u>     | CAS No    | Toxicity to Daphnia    |               |          |
|------------------------|-----------|------------------------|---------------|----------|
|                        |           | EC <sub>50</sub> / 48h | NOEC / 21 day | M Factor |
| Superabsorbent Polymer | 9033-79-8 | N/Av                   | N/Av          | None.    |

| <u>Ingredients</u>     | CAS No    | Toxicity to Algae             |                   |          |
|------------------------|-----------|-------------------------------|-------------------|----------|
|                        |           | EC <sub>50</sub> / 96h or 72h | NOEC / 96h or 72h | M Factor |
| 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.

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| <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                                 |

**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.

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**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 |
| 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:

| Ingredients            | 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:**

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:

| Ingredients            | 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** : ACGIH: American Conference of Governmental Industrial Hygienists  
CA: California  
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

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HMIS: Hazardous Materials Identification System  
 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  
 MA: Massachusetts  
 MN: Minnesota  
 N/Ap: Not Applicable  
 N/Av: Not Available  
 NFPA: National Fire Protection Association  
 NIOSH: National Institute of Occupational Safety and Health  
 NJ: New Jersey  
 NTP: National Toxicology Program  
 OSHA: Occupational Safety and Health Administration  
 PA: Pennsylvania  
 PEL: Permissible exposure limit  
 RCRA: Resource Conservation and Recovery Act  
 RI: Rhode Island  
 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 2016
- 2. International Agency for Research on Cancer Monographs, searched 2017
- 3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2017(Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - 2017 version.
- 6. California Proposition 65 List - 2017 version.
- 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal,2017.

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**Other special considerations for handling**

: Provide adequate information, instruction and training for operators.

|  |  |
|--|--|
| <p><b>Prepared for:</b><br/>         Safetec of America, Inc.<br/>         887 Kensington Avenue<br/>         Buffalo, NY, USA<br/>         14215<br/>         Telephone: 716-895-1822<br/>         www.safetec.com</p>                |  |
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## **SAFETY DATA SHEET**

### **DISCLAIMER**

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