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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

716-895-1822

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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS #</th>
<th>Concentration (% by weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superabsorbent Polymer</td>
<td>Not available.</td>
<td>9033-79-8</td>
<td>99.00</td>
</tr>
</tbody>
</table>
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**

- **Ingestion**: 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.
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.

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

Incompatible materials
- Strong reducing agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL</td>
</tr>
<tr>
<td>Superabsorbent Polymer</td>
<td>N/Av</td>
<td>N/Av</td>
</tr>
</tbody>
</table>

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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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.
Volatile (% by weight)
: Not available.
Volatile organic Compounds (VOC's)
: N/Av

Absolute pressure of container
: N/Ap
Flame projection length
: N/Ap
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.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>LC₅₀(4hr) inh, rat</th>
<th>LD₅₀ (Oral, rat)</th>
<th>LD₅₀ (Rabbit, dermal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superabsorbent Polymer</td>
<td>N/Av</td>
<td>N/Av</td>
<td>N/Av</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>Toxicity to Fish</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>LC50 / 96h</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOEC / 21 day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M Factor</td>
</tr>
<tr>
<td>Superabsorbent Polymer</td>
<td>9033-79-8</td>
<td>N/Av</td>
</tr>
<tr>
<td></td>
<td></td>
<td>N/Av</td>
</tr>
<tr>
<td></td>
<td></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>Toxicity to Daphnia</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>EC50 / 48h</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOEC / 21 day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M Factor</td>
</tr>
<tr>
<td>Superabsorbent Polymer</td>
<td>9033-79-8</td>
<td>N/Av</td>
</tr>
<tr>
<td></td>
<td></td>
<td>N/Av</td>
</tr>
<tr>
<td></td>
<td></td>
<td>None.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>Toxicity to Algae</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>EC50 / 96h or 72h</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOEC / 96h or 72h</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M Factor</td>
</tr>
<tr>
<td>Superabsorbent Polymer</td>
<td>9033-79-8</td>
<td>N/Av</td>
</tr>
<tr>
<td></td>
<td></td>
<td>N/Av</td>
</tr>
<tr>
<td></td>
<td></td>
<td>None.</td>
</tr>
</tbody>
</table>

Persistence and degradability
: No data is available on the product itself.

Bioaccumulation potential
: No data is available on the product itself.
SAFETY DATA SHEET

Components

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

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>TSCA Inventory</th>
<th>CERCLA Reportable Quantity(RQ) (40 CFR 117.302):</th>
<th>SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:</th>
<th>SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical Toxic Chemical de minimus Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superabsorbent Polymer</td>
<td>9033-79-8</td>
<td>Yes</td>
<td>N/Ap</td>
<td>No</td>
<td>N/Ap</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>Listed</th>
<th>Type of Toxicity</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
<th>RI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superabsorbent Polymer</td>
<td>9033-79-8</td>
<td>No</td>
<td>N/Ap</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>European EINECs</th>
<th>Australia AICS</th>
<th>Philippines PICCS</th>
<th>Japan ENCS</th>
<th>Korea KECI/KECL</th>
<th>China IECSC</th>
<th>NewZealand IOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superabsorbent Polymer</td>
<td>9033-79-8</td>
<td>N/Av</td>
<td>Present</td>
<td>Present</td>
<td>(6)-901</td>
<td>Not listed</td>
<td>Present</td>
<td>Present</td>
</tr>
</tbody>
</table>

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
SAFETY DATA SHEET

HMIS: Hazardous Materials Identification System
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
Inh: Inhalation
IUICID: International Uniform Chemical Information Database
LC: Lethal Concentration
LD: Lethal Dose
MA: Massachusetts
MN: Minnesota
N/A: 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.

Preparation Date (mm/dd/yyyy):
04/05/2018

Other special considerations for handling:
Provide adequate information, instruction and training for operators.

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

Prepared by:
ICC The Compliance Center Inc.
Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada)
http://www.thecompliancecenter.com
SAFETY DATA SHEET

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