SAFETY DATA SHEET

1. Product and Company Identification

Product identifier: Iron OUT (liquid)
Other means of identification: Not available
Recommended use: Rust Stain Remover
Recommended restrictions: None known.
Manufacturer information: Iron Out dba Summit Brands
6714 Pointe Inverness Way
Suite 200
Fort Wayne, IN 46804-7935 US
Phone: 260-483-2519
Emergency Phone: 1-800-424-9300 (CHEMTREC)
Supplier: See above.

2. Hazards Identification

Physical hazards: Corrosive to metals
Health hazards: Skin corrosion/irritation
Environmental hazards: Not classified.
WHMIS 2015 defined hazards: Not classified

Signal word: Danger
Hazard statement: May be corrosive to metals. Causes severe skin burns and eye damage.
Precautionary statement:
Prevention: Keep only in original packaging. Do not breathe mist or vapor. Wash thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection.
Response: Absorb spillage to prevent material-damage. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. Specific treatment (see information on this label). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage: Store in a corrosion resistant container with a resistant inner liner. Store locked up.
Disposal: Dispose of container in accordance with local, regional, national and international regulations.

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Propanediol</td>
<td></td>
<td>57-55-6</td>
<td>1-5*</td>
</tr>
<tr>
<td>Oxalic acid</td>
<td></td>
<td>144-62-7</td>
<td>5-10*</td>
</tr>
</tbody>
</table>

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
4. First Aid Measures

Inhalation
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.

Skin contact
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse. Specific treatment (see information on this label).

Eye contact
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Ingestion
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.

Most important symptoms/effects, acute and delayed
Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Indication of immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

General information
Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Wear rubber gloves and chemical splash goggles. Keep out of reach of children.

5. Fire Fighting Measures

Suitable extinguishing media

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
Firefighters should wear a self-contained breathing apparatus.

Special protective equipment and precautions for firefighters
Firefighters should wear full protective clothing including self-contained breathing apparatus.

Fire-fighting equipment/instructions
Move containers from fire area if you can do so without risk.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

Hazardous combustion products
May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Hydrogen fluoride.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up
Large Spills: Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb spillage to prevent material damage. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Prevent entry into waterways, sewers, basements or confined areas.

7. Handling and Storage

Precautions for safe handling
DANGER -- CORROSIVE
Use only with adequate ventilation. Do not taste or swallow. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use good industrial hygiene practices in handling this material. Do not get in eyes, on skin or on clothing. Avoid breathing vapors or mists of this product.
8. Exposure Controls/Personal Protection

### Conditions for safe storage, including any incompatibilities

Store locked up. Store in a closed container away from incompatible materials. Keep only in the original container. Store in a cool, dry place out of direct sunlight. Store in a corrosion resistant container with a resistant inner liner.

#### 8. Exposure Controls/Personal Protection

### Occupational exposure limits

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxalic acid (CAS 144-62-7)</td>
<td>STEL</td>
<td>2 mg/m3</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m3</td>
</tr>
</tbody>
</table>

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxalic acid (CAS 144-62-7)</td>
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</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m3</td>
</tr>
</tbody>
</table>

#### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxalic acid (CAS 144-62-7)</td>
<td>STEL</td>
<td>2 mg/m3</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m3</td>
</tr>
</tbody>
</table>

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Propanediol (CAS 57-55-6)</td>
<td>TWA</td>
<td>155 mg/m3</td>
<td>Vapor and aerosol.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg/m3</td>
<td>Aerosol.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 ppm</td>
<td>Vapor and aerosol.</td>
</tr>
<tr>
<td>Oxalic acid (CAS 144-62-7)</td>
<td>STEL</td>
<td>2 mg/m3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

#### Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxalic acid (CAS 144-62-7)</td>
<td>STEL</td>
<td>2 mg/m3</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m3</td>
</tr>
</tbody>
</table>

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxalic acid (CAS 144-62-7)</td>
<td>PEL</td>
<td>1 mg/m3</td>
</tr>
</tbody>
</table>

#### US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxalic acid (CAS 144-62-7)</td>
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<td>2 mg/m3</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m3</td>
</tr>
</tbody>
</table>

#### US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxalic acid (CAS 144-62-7)</td>
<td>STEL</td>
<td>2 mg/m3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

#### US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Propanediol (CAS 57-55-6)</td>
<td>TWA</td>
<td>10 mg/m3</td>
<td>Aerosol.</td>
</tr>
</tbody>
</table>

#### Biological limit values

No biological exposure limits noted for the ingredient(s).

#### Exposure guidelines

- **Canada - Manitoba OELs: Skin designation**
  
  Hydrogen fluoride (CAS 7664-39-3) Can be absorbed through the skin.

- **Canada - Ontario OELs: Skin designation**
  
  Hydrogen fluoride (CAS 7664-39-3) Can be absorbed through the skin.

- **US ACGIH Threshold Limit Values: Skin designation**
  
  Hydrogen fluoride (CAS 7664-39-3) Can be absorbed through the skin.
Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

Hand protection

Rubber gloves. Confirm with a reputable supplier first.

Other

As required by employer code. Rubber apron recommended.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Wash hands before breaks and immediately after handling the product. When using do not eat or drink.

9. Physical and Chemical Properties

Appearance Clear
Physical state Liquid.
Form Liquid.
Color Colorless
Odor Lime.
Odor threshold Not available.
<ph>Not available.
Melting point/freezing point Not available.
Initial boiling point and boiling range Not available.
Pour point Not available.
Specific gravity Not available.
Partition coefficient (n-octanol/water) Not available.
Flash point Not available.
Evaporation rate Not available.
Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.
Flammability limit - upper (%) Not available.
Explosive limit - lower (%) Not available.
Explosive limit - upper (%) Not available.

Vapor pressure Not available.
Vapor density Not available.
Relative density 1.025
Solubility(ies) Not available.
Auto-ignition temperature Not available.
Decomposition temperature Not available.
Viscosity Not available.

10. Stability and Reactivity

Reactivity Reacts violently with alkaline material. This product may react with reducing agents.
Possibility of hazardous reactions Hazardous polymerization does not occur.
Chemical stability Stable under recommended storage conditions.
Conditions to avoid Reacts violently with strong alkaline substances. This product may react with reducing agents.
Incompatible materials
- Acids
- Caustics
- Oxidizers
- Reducing agents
- Metals
May include and are not limited to:
- Oxides of carbon
- Oxides of nitrogen
- Hydrogen fluoride

Hazardous decomposition products

### 11. Toxicological Information

#### Routes of exposure
- Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

#### Information on likely routes of exposure

- **Ingestion**
  - Causes digestive tract burns.
- **Inhalation**
  - Prolonged inhalation may be harmful. May cause irritation to the respiratory system.
- **Skin contact**
  - Causes severe skin burns.
- **Eye contact**
  - Causes serious eye damage.

#### Symptoms related to the physical, chemical and toxicological characteristics
- Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

#### Information on toxicological effects

##### Acute toxicity
- Causes severe skin burns and eye damage.

#### Components

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1,2-Propanediol (CAS 57-55-6)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rabbit</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Dog</td>
</tr>
<tr>
<td></td>
<td>Guinea pig</td>
</tr>
<tr>
<td></td>
<td>Mouse</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rabbit</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| **Oxalic acid (CAS 144-62-7)** |
| **Acute** | |
| **Dermal** |
| LD50 | Rabbit | 20000 mg/kg, European Agency for the Evaluation of Medicinal Products |
| **Oral** |
| LD50 | Rat | 375 mg/kg, Toxicology and Applied Pharmacology |
| | | 9.5 ml/kg, ECHA |
| | | 7.5 ml/kg, ECHA |
| | | 1.1 ml/100g, ECHA |

#### Skin corrosion/irritation
- Causes severe skin burns and eye damage.

<table>
<thead>
<tr>
<th>Exposure minutes</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Not available.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Erythema value</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Oedema value</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Serious eye damage/eye irritation</strong></td>
<td>Causes serious eye damage.</td>
</tr>
</tbody>
</table>
Corneal opacity value Not available.
Iris lesion value Not available.
Conjunctival reddening value Not available.
Conjunctival oedema value Not available.
Recover days Not available.

Respiratory or skin sensitization
Canada - Alberta OELs: Irritant
Oxalic acid (CAS 144-62-7) Irritant
Respiratory sensitization Not available.
Skin sensitization This product is not expected to cause skin sensitization.
Mutagenicity Non-hazardous by WHMIS/OSHA criteria.
Carcinogenicity Not classified or listed by IARC, NTP, OSHA and ACGIH.

IARC Monographs. Overall Evaluation of Carcinogenicity
Hydrogen fluoride (CAS 7664-39-3) Volume 27, Supplement 7 - 3 Not classifiable as to carcinogenicity to humans.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.
Reproductive toxicity Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity Non-hazardous by WHMIS/OSHA criteria.
Specific target organ toxicity - single exposure Not classified.
Specific target organ toxicity - repeated exposure Not classified.
Aspiration hazard Not available.
Chronic effects Prolonged inhalation may be harmful.

12. Ecological Information

Ecotoxicity Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

Ecotoxicological data

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Propanediol (CAS 57-55-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Daphnia</td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
</tr>
<tr>
<td>Oxalic acid (CAS 144-62-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Daphnia</td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna)</td>
</tr>
</tbody>
</table>

Persistence and degradability No data is available on the degradability of this product.
Bioaccumulative potential No data available.
Mobility in soil No data available.
Mobility in general Not available.
Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Disposal instructions Review federal, state/provincial, and local government requirements prior to disposal. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.

Local disposal regulations Dispose in accordance with all applicable regulations.
Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport Information

**Transport of Dangerous Goods (TDG) Proof of Classification**

Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

#### U.S. Department of Transportation (DOT)

**Basic shipping requirements:**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>UN1760</td>
</tr>
<tr>
<td>Proper shipping name</td>
<td>Corrosive liquids, n.o.s.</td>
</tr>
<tr>
<td>Technical name</td>
<td>Oxalic acid</td>
</tr>
<tr>
<td>Hazard class</td>
<td>8</td>
</tr>
<tr>
<td>Subsidiary hazard class</td>
<td>Limited Quantity - US</td>
</tr>
<tr>
<td>Packing group</td>
<td>III</td>
</tr>
<tr>
<td>Special provisions</td>
<td>IB3, T7, TP1, TP28</td>
</tr>
<tr>
<td>Packaging exceptions</td>
<td>&lt;1.3 Gallons - Limited Quantity</td>
</tr>
<tr>
<td>Packaging non bulk</td>
<td>203</td>
</tr>
<tr>
<td>Packaging bulk</td>
<td>241</td>
</tr>
</tbody>
</table>

**Transportation of Dangerous Goods (TDG - Canada)**

**Basic shipping requirements:**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>UN1760</td>
</tr>
<tr>
<td>Proper shipping name</td>
<td>CORROSIIVE LIQUID, N.O.S.</td>
</tr>
<tr>
<td>Technical name</td>
<td>OXALIC ACID</td>
</tr>
<tr>
<td>Hazard class</td>
<td>8</td>
</tr>
<tr>
<td>Subsidiary hazard class</td>
<td>Limited Quantity - Canada</td>
</tr>
<tr>
<td>Packing group</td>
<td>III</td>
</tr>
<tr>
<td>Special provisions</td>
<td>16</td>
</tr>
<tr>
<td>Packaging exceptions</td>
<td>&lt;5L - Limited Quantity</td>
</tr>
</tbody>
</table>

### 15. Regulatory Information

**Canadian federal regulations**

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**Canada CEPA Schedule I: Listed substance**

- Hydrofluorosilicic acid (CAS 16961-83-4) Listed.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.
Precursor Control Regulations
Not regulated.

WHMIS 2015 Exemptions
Not applicable

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Oxalic acid (CAS 144-62-7) 1.0 % One-Time Export Notification only.

CERCLA Hazardous Substance List (40 CFR 302.4)

US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity
Hydrogen fluoride (CAS 7664-39-3) 100 LBS

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
No

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Hydrogen fluoride (CAS 7664-39-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Hydrogen fluoride (CAS 7664-39-3)

Clean Water Act (CWA)
Section 112(r) (40 CFR 68.130) Hazardous substance

US state regulations
US - California Hazardous Substances (Director's): Listed substance
Hydrofluorosilicic acid (CAS 16961-83-4) Listed.
Oxalic acid (CAS 144-62-7) Listed.

Hydrogen fluoride (CAS 7664-39-3)

US - Louisiana Spill Reporting: Listed substance
Hydrogen fluoride (CAS 7664-39-3)

US - Minnesota Haz Subs: Listed substance
1,2-Propanediol (CAS 57-55-6) Listed.
Hydrofluorosilicic acid (CAS 16961-83-4) Listed.
Oxalic acid (CAS 144-62-7) Listed.

US - New Jersey RTK - Substances: Listed substance
1,2-Propanediol (CAS 57-55-6) Listed.
Hydrofluorosilicic acid (CAS 16961-83-4) Listed.
Oxalic acid (CAS 144-62-7) Listed.


US - North Carolina Toxic Air Pollutants: Listed substance
Hydrofluorosilicic acid (CAS 16961-83-4)
Hydrogen fluoride (CAS 7664-39-3)

US - Texas Effects Screening Levels: Listed substance
1,2-Propanediol (CAS 57-55-6) Listed.
Alcohols, C9-11, ethoxylated (CAS 68439-46-3) Listed.
Hydrofluorosilicic acid (CAS 16961-83-4) Listed.
Oxalic acid (CAS 144-62-7) Listed.
US. Massachusetts RTK - Substance List
Hydrofluorosilicic acid (CAS 16961-83-4)
Hydrogen fluoride (CAS 7664-39-3)
Oxalic acid (CAS 144-62-7)

US. New Jersey Worker and Community Right-to-Know Act
Hydrogen fluoride (CAS 7664-39-3)

US. Pennsylvania Worker and Community Right-to-Know Law
1,2-Propanediol (CAS 57-55-6)
Hydrofluorosilicic acid (CAS 16961-83-4)
Hydrogen fluoride (CAS 7664-39-3)
Oxalic acid (CAS 144-62-7)

US. Rhode Island RTK
1,2-Propanediol (CAS 57-55-6)
Hydrogen fluoride (CAS 7664-39-3)
Oxalic acid (CAS 144-62-7)

US. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Inventory status
<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDL)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer
The data contained in this material safety data sheet was obtained from sources that were technically accurate, reliable, and state of the art when this document was prepared. If data was unavailable to complete certain sections, the absence of that data is identified in this document. Because the supplier cannot know the exact circumstances during actual use of this product, other hazards, exposure scenarios, disposal considerations, and regulations may apply and it is the responsibility of the user to read and understand the product label and this document before use. Do not use the product for purposes other than those stated in Section 1.

Issue date
30-November-2018

Version #
02

Effective date
29-January-2018

Prepared by
Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

Other information
For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

Redbook revision # 11, 12/14/17