1. Product and Company Identification

Product identifier Lime OUT
Other means of identification Not available
Recommended use Calcium and Lime Scale 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 Category 1
Health hazards Skin corrosion/irritation Category 1
Serious eye damage/eye irritation Category 1
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>Citric Acid</td>
<td></td>
<td>77-92-9</td>
<td>3 - 7*</td>
</tr>
<tr>
<td>Hydrochloric acid</td>
<td></td>
<td>7647-01-0</td>
<td>5 - 10*</td>
</tr>
</tbody>
</table>
Chemical name | Common name and synonyms | CAS number | %
--- | --- | --- | ---
Lactic Acid | | 79-33-4 | 3 - 7*

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### Composition comments

- **CANADA GHS:** The exact percentage (concentration) of composition has been withheld as a trade secret.
- **US GHS:** The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

#### 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. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor. 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. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Show this safety data sheet to the doctor in attendance. 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**

During fire, gases hazardous to health may be formed.

**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. Hydrogen chloride.

#### 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. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors. Ventilate closed spaces before entering them. 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**

Should not be released into the environment.

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.
7. Handling and Storage

**Precautions for safe handling**
Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. Avoid breathing vapors or mists of this product. Avoid contact with eyes, skin and clothing.

**Conditions for safe storage, including any incompatibilities**
Store locked up. Store in corrosive resistant container with a resistant inner liner. 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 well-ventilated place.

8. Exposure Controls/Personal Protection

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>Country/Region</th>
<th>Code</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada. Alberta OELs (Occupational Health &amp; Safety Code, Schedule 1, Table 2)</td>
<td></td>
<td>Hydrochloric acid (CAS 7647-01-0)</td>
<td>Ceiling</td>
<td>3 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2 ppm</td>
</tr>
<tr>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)</td>
<td></td>
<td>Hydrochloric acid (CAS 7647-01-0)</td>
<td>Ceiling</td>
<td>2 ppm</td>
</tr>
<tr>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)</td>
<td></td>
<td>Hydrochloric acid (CAS 7647-01-0)</td>
<td>Ceiling</td>
<td>2 ppm</td>
</tr>
<tr>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)</td>
<td></td>
<td>Hydrochloric acid (CAS 7647-01-0)</td>
<td>Ceiling</td>
<td>7.5 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5 ppm</td>
</tr>
<tr>
<td>Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)</td>
<td></td>
<td>Hydrochloric acid (CAS 7647-01-0)</td>
<td>Ceiling</td>
<td>2 ppm</td>
</tr>
<tr>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</td>
<td></td>
<td>Hydrochloric acid (CAS 7647-01-0)</td>
<td>Ceiling</td>
<td>7 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5 ppm</td>
</tr>
<tr>
<td>US. ACGIH Threshold Limit Values</td>
<td></td>
<td>Hydrochloric acid (CAS 7647-01-0)</td>
<td>Ceiling</td>
<td>2 ppm</td>
</tr>
<tr>
<td>US. NIOSH: Pocket Guide to Chemical Hazards</td>
<td></td>
<td>Hydrochloric acid (CAS 7647-01-0)</td>
<td>Ceiling</td>
<td>7 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5 ppm</td>
</tr>
</tbody>
</table>

**Biological limit values**
No biological exposure limits noted for the ingredient(s).

**Exposure guidelines**
Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH or OSHA PEL.
Canada - Manitoba OELs: Skin designation
2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5) Can be absorbed through the skin.

Canada - Ontario OELs: Skin designation
2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation
2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5) Can be absorbed through the skin.

Appropriate engineering controls
Use only under good ventilation conditions or with respiratory protection.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear chemical goggles.

Skin protection
Hand protection
Rubber gloves. Confirm with a reputable supplier first.

Other
Wear appropriate chemical resistant clothing. Rubber apron recommended.

Respiratory protection
Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

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. Use good industrial hygiene practices in handling this material. When using do not eat or drink.

9. Physical and Chemical Properties

- Appearance: Clear
- Physical state: Liquid
- Form: Liquid
- Color: Blue
- Odor: Lime
- Odor threshold: Not available
- pH: < 1
- 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: None
- 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: 1.058
Solubility(ies): Not available
Auto-ignition temperature: Not available
Decomposition temperature: Not available
Viscosity: 200 - 300 cPs

10. Stability and Reactivity

Reactivity
Reacts vigorously 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
Do not mix with other chemicals. Do not mix with bleach or any other chemical.

Incompatible materials

Hazardous decomposition products
May include and are not limited to: Oxides of carbon. Hydrogen chloride.

11. Toxicological Information

Routes of exposure
Inhalation. Ingestion. Skin contact. Eye contact.

Information on likely routes of exposure

<table>
<thead>
<tr>
<th>Ingestion</th>
<th>Causes digestive tract burns.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Prolonged inhalation may be harmful.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Causes severe skin burns.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Causes serious eye damage.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Components (Cas 77-92-9)</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric Acid</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rat</td>
<td>&gt; 2000 mg/kg, 24 Hours, ECHA</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>Mouse</td>
<td>5400 mg/kg, ECHA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5040 mg/kg, HSDB</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>11700 mg/kg, ECHA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6730 mg/kg, HSDB</td>
</tr>
</tbody>
</table>

| Hydrochloric acid (Cas 7647-01-0) | | |
| **Acute** | | |
| Dermal | Mouse | 1449 mg/kg, HSDB |
| Inhalation | Mouse | 13745 ppm, 5 Minutes, ECHA |
| | | 2644 ppm, 5 Minutes, ECHA |
| | | 1108 ppm, 1 Hours, RTECS |
| | | 16.5 mg/L, 5 Minutes, ECHA |
| | | 3.2 mg/L, 5 Minutes, ECHA |
| | Rat | 40989 ppm, 5 Minutes, ECHA |
| | | 4701 ppm, 5 Minutes, ECHA |
| | | 3124 ppm, 1 Hours, HSDB |
| | | 2810 ppm, 1 Hours |
| | | 1405 ppm, 4 Hours |
| | | 45.6 mg/L, 5 Minutes, ECHA |
| | | 8.3 mg/L, 5 Minutes, ECHA |
| Oral | Rabbit | 900 mg/kg, HSDB |
| | Rat | 238 - 277 mg/kg, HSDB |
## Test Results

### Components: Lactic Acid (CAS 79-33-4)

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td>LD50</td>
<td>&gt; 2000 mg/kg, 24 Hours, ECHA</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
</tr>
<tr>
<td>&gt; 7.9 mg/L, 4 Hours, ECHA</td>
<td></td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
</tr>
<tr>
<td>LD100</td>
<td>Rat</td>
</tr>
<tr>
<td>&lt; 5000 mg/kg, ECHA</td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Guinea pig</td>
</tr>
<tr>
<td>Mouse</td>
<td></td>
</tr>
<tr>
<td>1810 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>&gt; 5000 mg/kg, ECHA</td>
<td></td>
</tr>
<tr>
<td>4936 mg/kg, ECHA</td>
<td></td>
</tr>
<tr>
<td>3543 mg/kg, Sigma Aldrich</td>
<td></td>
</tr>
</tbody>
</table>

### Skin corrosion/irritation
- Causes severe skin burns and eye damage.
- **Exposure minutes**: Not available.
- **Erythema value**: Not available.
- **Oedema value**: Not available.

### Serious eye damage/eye irritation
- Causes serious eye damage.
- **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

#### ACGIH sensitization
- 2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5) Dermal sensitization

#### Canada - Alberta OELs: Irritant
- Acetic acid, phenylmethyl ester (CAS 140-11-4) Irritant
- Hydrochloric acid (CAS 7647-01-0) Irritant

#### Canada - Manitoba OELs Hazard: Dermal sensitization
- 2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5) Dermal sensitization

#### Respiratory sensitization
- Not available.

#### Skin sensitization
- This product is not expected to cause skin sensitization.

### Mutagenicity
- No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

### Carcinogenicity
- See below.

#### IARC Monographs. Overall Evaluation of Carcinogenicity
- Acetic acid, phenylmethyl ester (CAS 140-11-4) Volume 40, Supplement 7, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.
- Hydrochloric acid (CAS 7647-01-0) Volume 54 - 3 Not classifiable as to carcinogenicity to humans.

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

### Reproductive toxicity
- This product is not expected to cause reproductive or developmental effects.

### Teratogenicity
- Not classified.

### 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. See below

Ecotoxicological data Components

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric Acid (CAS 77-92-9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Daphnia magna</td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Bluegill (Lepomis macrochirus)</td>
</tr>
<tr>
<td>Hydrochloric acid (CAS 7647-01-0)</td>
<td>Aquatic</td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Western mosquitofish (Gambusia affinis)</td>
</tr>
<tr>
<td>Lactic Acid (CAS 79-33-4)</td>
<td></td>
<td></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.

Waste from residues / unused products
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).

Contaminated packaging
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:
- UN number: UN1760
- Proper shipping name: Corrosive liquids, n.o.s.
- Technical name: HYDROGEN CHLORIDE
- Hazard class: Limited Quantity - US
- Subsidiary hazard class: 8
- Packing group: II
- Special provisions: B2, IB2, T11, TP2, TP27
- Packaging exceptions: <1.3 Gallons - Limited Quantity
- Packaging non bulk: 202
- Packaging bulk: 242

Transportation of Dangerous Goods (TDG - Canada)
Basic shipping requirements:
- UN number: UN1760
- Proper shipping name: CORROSIVE LIQUID, N.O.S.
Technical name          HYDROGEN CHLORIDE
Hazard class           Limited Quantity - Canada
Subsidiary hazard class 8
Packing group          II
Special provisions      16
Packaging exceptions   <1L - Limited Quantity

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 NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number
Isopropanol (CAS 67-63-0) 1 TONNES

Export Control List (CEPA 1999, Schedule 3)
Not listed.

Greenhouse Gases
Not listed.

Precursor Control Regulations
Hydrochloric acid (CAS 7647-01-0) Class B

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)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Hydrochloric acid (CAS 7647-01-0) Listed.
Isopropanol (CAS 67-63-0) Listed.

US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity
Hydrochloric acid (CAS 7647-01-0) 5000 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
### Chemicals and Regulations

**SARA 313 (TRI reporting)**

**Chemical name** | **CAS number** | **% by wt.**
--- | --- | ---
Hydrochloric acid | 7647-01-0 | 5 - 10*

**Other federal regulations**

- **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**
  - Hydrochloric acid (CAS 7647-01-0)

- **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**
  - Hydrochloric acid (CAS 7647-01-0)

- **Clean Water Act (CWA)**
  - Hydrochloric acid (CAS 7647-01-0)

**US state regulations**

- **US - California Hazardous Substances (Director's): Listed substance**
  - Acetic acid, phenylmethyl ester (CAS 140-11-4) Listed.
  - Hydrochloric acid (CAS 7647-01-0) Listed.
  - Isopropanol (CAS 67-63-0) Listed.

- **US - Illinois Chemical Safety Act: Listed substance**
  - Hydrochloric acid (CAS 7647-01-0) Listed.
  - Isopropanol (CAS 67-63-0) Listed.

- **US - Louisiana Spill Reporting: Listed substance**
  - Hydrochloric acid (CAS 7647-01-0) Listed.
  - Isopropanol (CAS 67-63-0) Listed.

- **US - Minnesota Haz Subs: Listed substance**
  - Acetic acid, phenylmethyl ester (CAS 140-11-4) Listed.
  - Hydrochloric acid (CAS 7647-01-0) Listed.
  - Isopropanol (CAS 67-63-0) Listed.

- **US - New Jersey RTK - Substances: Listed substance**
  - Acetic acid, phenylmethyl ester (CAS 140-11-4) Listed.
  - Hydrochloric acid (CAS 7647-01-0) Listed.
  - Isopropanol (CAS 67-63-0) Listed.

- **US - North Carolina Toxic Air Pollutants: Listed substance**
  - Hydrochloric acid (CAS 7647-01-0) Listed.

- **US - Texas Effects Screening Levels: Listed substance**
  - 2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5) Listed.
  - Acetic acid, phenylmethyl ester (CAS 140-11-4) Listed.
  - Citric Acid (CAS 77-92-9) Listed.
  - Hydrochloric acid (CAS 7647-01-0) Listed.
  - Isopropanol (CAS 67-63-0) Listed.
  - Lactic Acid (CAS 79-33-4) Listed.

- **US. Massachusetts RTK - Substance List**
  - Hydrochloric acid (CAS 7647-01-0) Listed.
  - Isopropanol (CAS 67-63-0) Listed.

- **US. New Jersey Worker and Community Right-to-Know Act**
  - Hydrochloric acid (CAS 7647-01-0) Listed.
  - Isopropanol (CAS 67-63-0) Listed.

- **US. Pennsylvania Worker and Community Right-to-Know Law**
  - Hydrochloric acid (CAS 7647-01-0) Listed.
  - Isopropanol (CAS 67-63-0) Listed.

- **US. Rhode Island RTK**
  - Hydrochloric acid (CAS 7647-01-0) Listed.
  - Isopropanol (CAS 67-63-0) Listed.

- **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 (NDSSL)</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>

*An "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).
16. Other Information

<table>
<thead>
<tr>
<th>LEGEND</th>
<th>HEALTH</th>
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<th>FLAMMABILITY</th>
<th></th>
<th>PHYSICAL HAZARD</th>
<th></th>
<th>PERSONAL PROTECTION</th>
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<tr>
<td>Severe</td>
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<tr>
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<tr>
<td>Minimal</td>
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<td>0</td>
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</tr>
</tbody>
</table>

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.

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Effective date: 20-March-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, 12/5/16