1. Product and Company Identification

Product Name: Super Iron Out®
CAS #: Mixture
Product use: Rust & Stain Remover
Manufacturer: Iron Out dba Summit Brands
7201 Engle Road
Fort Wayne, IN 46804-5875 US
Phone: 260-483-2519
Emergency Phone: 1-800-424-9300 (CHEMTREC)

2. Hazards Identification

Emergency overview
CAUTION
EYE AND SKIN IRRITANT.
May cause sensitization by inhalation.

Potential short term health effects
Routes of exposure: Eye, Skin contact, Inhalation, Ingestion.
Eyes: Causes irritation.
Skin: Causes irritation.
Inhalation: Dusts of this product may cause irritation of the nose, throat, and respiratory tract.
Ingestion: May cause stomach distress, nausea or vomiting.

Target organs: Eyes. Respiratory system. Skin.
Chronic effects: Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Signs and symptoms: Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydrosulfite</td>
<td>7775-14-6</td>
<td>30 - 60</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>3 - 7</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>15 - 40</td>
</tr>
<tr>
<td>Sodium metabisulfite</td>
<td>7681-57-4</td>
<td>15 - 40</td>
</tr>
<tr>
<td>Citric acid</td>
<td>77-92-9</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Sodium bisulfite</td>
<td>7631-90-5</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures
Eye contact: Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention if irritation develops or persists.
Skin contact: Immediately flush with water. Wash with soap and water. Obtain medical attention if irritation persists.
Inhalation: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion
Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

Notes to physician
Symptoms may be delayed.

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

5. Fire Fighting Measures

Flammable properties
Not flammable by WHMIS/OSHA criteria.

Extinguishing media
Suitable extinguishing media: Dry chemical. Carbon dioxide. Foam.
Unsuitable extinguishing media: Not available.

Protection of firefighters
Specific hazards arising from the chemical: Not available.
Protective equipment for firefighters: Firefighters should wear full protective clothing including self contained breathing apparatus.

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

Explosion data
Sensitivity to mechanical impact: Not available.
Sensitivity to static discharge: Not available.

6. Accidental Release Measures

Personal precautions: Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up: Should not be released into the environment. Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

7. Handling and Storage

Handling: Use good industrial hygiene practices in handling this material.

Storage: Keep out of reach of children. Store in a closed container away from incompatible materials.
## 8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric acid</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td>Sodium bisulfite</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>TWA: 5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Sodium hydrosulfite</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Sodium metabisulfite</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>TWA: 5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
</tbody>
</table>

### Engineering controls
- Use only under good ventilation conditions or with respiratory protection.

### Personal protective equipment
- **Eye / face protection**: Wear safety glasses with side shields.
- **Hand protection**: Rubber gloves. Confirm with a reputable supplier first.
- **Skin and body protection**: As required by employer code.
- **Respiratory protection**: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
- **General hygiene considerations**: Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

## 9. Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Form</td>
<td>Powder</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>None</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
</tbody>
</table>
10. Chemical Stability & Reactivity Information

Chemical stability
Stable under recommended storage conditions.

Conditions to avoid
Do not mix with other chemicals.

Incompatible materials
Acids. Oxidizers.

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

Possibility of hazardous reactions
Hazardous polymerization does not occur.

Component analysis - LC50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric acid</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium bisulfite</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>400 mg/m3 guinea pig</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>&gt; 21000 mg/m3 rat</td>
</tr>
<tr>
<td>Sodium hydrosulfite</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium metabisulfite</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Component analysis - Oral LD50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric acid</td>
<td>5040 mg/kg mouse; 3000 mg/kg rat</td>
</tr>
<tr>
<td>Sodium bisulfite</td>
<td>1420 mg/kg rat</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>4090 mg/kg rat</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>3000 mg/kg rat; 4000 mg/kg mouse</td>
</tr>
<tr>
<td>Sodium hydrosulfite</td>
<td>2500 mg/kg rat</td>
</tr>
<tr>
<td>Sodium metabisulfite</td>
<td>1131 mg/kg rat</td>
</tr>
</tbody>
</table>

Effects of acute exposure

Eye
Causes irritation.

Skin
Causes irritation.

Inhalation
Dusts of this product may cause irritation of the nose, throat, and respiratory tract.

Ingestion
May cause stomach distress, nausea or vomiting.

Sensitization
Hazardous by WHMIS/OSHA criteria. May cause sensitization by inhalation.

Chronic effects
Not classified or listed by IARC, NTP, OSHA and ACGIH.
Carcinogenicity
Not classified or listed by IARC, NTP, OSHA and ACGIH.

ACGIH - Threshold Limit Values - Carcinogens
Sodium bisulfite 7631-90-5 A4 - Not Classifiable as a Human Carcinogen
Sodium metabisulfite 7681-57-4 A4 - Not Classifiable as a Human Carcinogen

IARC - Group 3 (Not Classifiable)
Sodium bisulfite 7631-90-5 Monograph 54 [1992] (listed under Sulfur dioxide and some sulfites bisulfites and metabisulfites)
Sodium metabisulfite 7681-57-4 Monograph 54 [1992] (listed under Sulfur dioxide and some sulfites bisulfites and metabisulfites)

Mutagenicity
Not classified or listed by IARC, NTP, OSHA and ACGIH.

Reproductive effects
Not classified or listed by IARC, NTP, OSHA and ACGIH.

Teratogenicity
Not classified or listed by IARC, NTP, OSHA and ACGIH.

12. Ecological Information

Ecotoxicity
Not available

Ecotoxicity - Freshwater Algae Data
Sodium carbonate 497-19-8 120 Hr EC50 Nitzschia: 242 mg/L
Sodium hydrosulfite 7775-14-6 72 Hr EC50 Scenedesmus subspicatus: 120 mg/L; 96 Hr EC50 Scenedesmus subspicatus: 87 mg/L
Sodium metabisulfite 7681-57-4 72 Hr EC50 Scenedesmus subspicatus: 48 mg/L; 96 Hr EC50 Scenedesmus subspicatus: 40 mg/L

Ecotoxicity - Freshwater Fish Species Data
Citric acid 77-92-9 96 Hr LC50 Lepomis macrochirus: 1516 mg/L [static]; 96 Hr LC50 Leuciscus idus: 440 mg/L [static]
Sodium bisulfite 7631-90-5 96 Hr LC50 Gambusia affinis: 240 mg/L [static]
Sodium carbonate 497-19-8 96 Hr LC50 Lepomis macrochirus: 300 mg/L [static]
Sodium hydrosulfite 7775-14-6 96 Hr LC50 Leuciscus idus: 46-68 mg/L [static]
Sodium metabisulfite 7681-57-4 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]

Ecotoxicity - Microtox Data
Citric acid 77-92-9 15 Min EC50 Photobacterium phosphoreum: 14 mg/L
Sodium hydrosulfite 7775-14-6 17 Hr EC50 Pseudomonas putida: 107 mg/L
Sodium metabisulfite 7681-57-4 17 Hr EC50 Pseudomonas putida: 56 mg/L

Ecotoxicity - Water Flea Data
Citric acid 77-92-9 72 Hr EC50 Daphnia magna: 120 mg/L
Sodium bisulfite 7631-90-5 48 Hr EC50 Daphnia magna: 119 mg/L
Sodium carbonate 497-19-8 48 Hr EC50 Daphnia magna: 265 mg/L
Sodium hydrosulfite 7775-14-6 48 Hr EC50 Daphnia magna Straus: 98 mg/L
Sodium metabisulfite 7681-57-4 24 Hr EC50 Daphnia magna Straus: 89 mg/L

Environmental effects
Not available

Aquatic toxicity
Not available

Persistence / degradability
Not available

Bioaccumulation / accumulation
Not available

Partition coefficient
Not available

Mobility in environmental media
Not available

Chemical fate information
Not available

13. Disposal Considerations

Waste codes
Not available

Disposal instructions
Review federal, provincial, and local government requirements prior to disposal.

Waste from residues / unused products
Not available

Contaminated packaging
Not available

14. Transport Information

U.S. Department of Transportation (DOT)
Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)
Not regulated as dangerous goods.
## 15. Regulatory Information

### Canadian federal regulations
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Canada - WHMIS - Ingredient Disclosure List**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric acid</td>
<td>77-92-9</td>
<td>1 %</td>
</tr>
<tr>
<td>Sodium bisulfite</td>
<td>7631-90-5</td>
<td>1 %</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>1 %</td>
</tr>
<tr>
<td>Sodium metabisulfite</td>
<td>7681-57-4</td>
<td>1 %</td>
</tr>
</tbody>
</table>

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

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Final RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium bisulfite</td>
<td>5000 Lb</td>
</tr>
<tr>
<td>Sodium tripolyphosphate</td>
<td>5000</td>
</tr>
<tr>
<td>Metaphosphoric acid, trisodium salt</td>
<td>5000.000</td>
</tr>
</tbody>
</table>

### Occupational Safety and Health Administration (OSHA)

#### CERCLA (Superfund) reportable quantity

- Sodium bisulfite: 5000.0000
- Sodium tripolyphosphate: 5000.0000
- Metaphosphoric acid, trisodium salt: 5000.0000

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories
- Immediate Hazard - Yes
- Delayed Hazard - Yes
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - Yes

#### Section 302 extremely hazardous substance
- No

#### Section 311 hazardous chemical
- Yes

### Clean Air Act (CAA)
- Not available

### Clean Water Act (CWA)
- Not available

### Safe Drinking Water Act (SDWA)
- Not available

### Drug Enforcement Agency (DEA)
- Not available

### Food and Drug Administration (FDA)
- Not available

### WHMIS status
- Controlled

### WHMIS classification
- Class D - Division 2A, 2B

### WHMIS labeling

⚠️
State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances
Sodium bisulfite 7631-90-5 Present
Sodium metabisulfite 7681-57-4 Present

U.S. - Louisiana - Reportable Quantity List for Pollutants
Sodium bisulfite 7631-90-5 Present

U.S. - Massachusetts - Right To Know List
Sodium bisulfite 7631-90-5 Present
Sodium hydrosulfite 7775-14-6 Present
Sodium metabisulfite 7681-57-4 Present

U.S. - Minnesota - Hazardous Substance List
Sodium bisulfite 7631-90-5 Present
Sodium metabisulfite 7681-57-4 Present

U.S. - New Jersey - Right to Know Hazardous Substance List
Sodium bisulfite 7631-90-5 Present
Sodium hydrosulfite 7775-14-6 Present
Sodium metabisulfite 7681-57-4 Present

U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances
Sodium bisulfite 7631-90-5 5000 Lb RQ (air); 100 lb RQ (land/water)

U.S. - Pennsylvania - RTK (Right to Know) List
Sodium bisulfite 7631-90-5 Environmental hazard
Sodium hydrosulfite 7775-14-6 Present
Sodium metabisulfite 7681-57-4 Present

U.S. - Rhode Island - Hazardous Substance List
Sodium bisulfite 7631-90-5 Toxic
Sodium hydrosulfite 7775-14-6 Flammable
Sodium metabisulfite 7681-57-4 Toxic

Inventory name

<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>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</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

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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