1. Product and Company Identification

Product Name: Pro Rust Out®
CAS #: Mixture
Product use: Rust & Stain Remover
Manufacturer: Pro Products LLC
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 and skin contact.

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: May cause respiratory and/or skin sensitization in sensitive individuals. 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.

OSHA Regulatory Status: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects: Not available

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>3 - 7</td>
</tr>
<tr>
<td>Sodium hydrosulfite</td>
<td>7775-14-6</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 sulfite</td>
<td>7757-83-7</td>
<td>0.5 - 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
Brush away excess of dry material. 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. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

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 carbon. Oxides of sulphur. Hydrogen sulphide. 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.

Environmental precautions
Prevent entry into waterways, sewers, basements or confined areas.

Methods for containment
Stop leak if you can do so without risk.

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. Avoid breathing dust. Wash thoroughly after handling.

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><strong>Citric acid</strong></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><strong>Sodium bisulfite</strong></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><strong>Sodium carbonate</strong></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><strong>Sodium hydrosulfite</strong></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><strong>Sodium metabisulfite</strong></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><strong>Sodium sulfite</strong></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>
</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 and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Powder</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>White</td>
</tr>
<tr>
<td><strong>Form</strong></td>
<td>Powder</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Characteristic</td>
</tr>
<tr>
<td><strong>Odor threshold</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Physical state</strong></td>
<td>Solid</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Melting point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Freezing point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Boiling point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Pour point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not available</td>
</tr>
</tbody>
</table>
10. Stability and Reactivity

Reactivity
This product may react with oxidizing agents. This product may react with strong acids.

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.

Incompatible materials
Acids. Oxidizers.

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

11. Toxicological Information

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 hydrosulfite</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium metabisulfite</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium sulfite</td>
<td>5.5 mg/l/4h rat</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 hydrosulfite</td>
<td>2500 mg/kg rat</td>
</tr>
<tr>
<td>Sodium metabisulfite</td>
<td>1131 mg/kg rat</td>
</tr>
<tr>
<td>Sodium sulfite</td>
<td>820 mg/kg mouse; 820 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
May cause sensitization by inhalation or skin contact.

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

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)
- Sodium sulfite 7757-83-7 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.

Name of Toxicologically Synergistic Products
Not available

12. Ecological Information

Ecotoxicity
See below

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

Ecotoxicity - Freshwater Fish - Acute Toxicity Data
- Citric acid 77-92-9 96 Hr LC50 Lepomis macrochirus: 1516 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]; 96 Hr LC50 Pimephales promelas: 310 - 1220 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]
- Sodium sulfite 7757-83-7 96 Hr LC50 Leuciscus idus: 220 - 460 mg/L [static]

Ecotoxicity - Water Flea - Acute Toxicity 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
- Sodium sulfite 7757-83-7 24 Hr LC50 Psammechinus miliaris: 330 mg/L

Persistence / degradability Not available
Bioaccumulation / accumulation Not available
Mobility in environmental media Not available
Environmental effects Not available
Aquatic toxicity Not available
Partition coefficient Not available
Chemical fate information Not available
Other adverse effects Not available

13. Disposal Considerations

Disposal instructions
Review federal, state/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

Citric acid 77-92-9 1 
Sodium bisulfite 7631-90-5 1 
Sodium carbonate 497-19-8 1 
Sodium metabisulfite 7681-57-4 1 

WHMIS status Controlled
WHMIS classification Class D - Division 2A, 2B

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

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

Sodium bisulfite 7631-90-5 5000 Lb final RQ; 2270 kg final RQ

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
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 5000 Lb final RQ; 2270 kg final RQ

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 sn 1685
Sodium hydrosulfite 7775-14-6 sn 1697
Sodium metabisulfite 7681-57-4 sn 1708

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

Country(s) or region Inventory name On inventory (yes/no)*
Canada Domestic Substances List (DSL) Yes
Canada Non-Domestic Substances List (NDSL) No
United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

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
23-Jun-2011

Effective date
15-Aug-2011

Expiry date
15-Aug-2014

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

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