1. Product and Company Identification

Product Name  Stainfree
CAS #  Mixture
Product use  Stain remover
Manufacturer  Natural Chemistry, LLC
             40 Richards Ave.
             Norwalk, CT 06854 US
             Phone: (800) 753-1233
             Emergency Phone: CHEMTREC (800) 424-9300

2. Hazards Identification

Emergency overview  DANGER
                    CAUSES EYE BURNS. CAUSES SKIN BURNS.

Potential short term health effects

<table>
<thead>
<tr>
<th>Routes of exposure</th>
<th>Eyes</th>
<th>Skin contact, Inhalation, Ingestion.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Eyes</td>
<td>May cause chemical burns. May cause blindness.</td>
</tr>
<tr>
<td></td>
<td>Skin</td>
<td>May cause chemical burns.</td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
<td>Dust extremely irritating to respiratory tract.</td>
</tr>
<tr>
<td></td>
<td>Ingestion</td>
<td>Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.</td>
</tr>
</tbody>
</table>

Target organs  Eyes. Skin.

Chronic effects  Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms  The product may cause burns to eyes, skin and mucous membranes.

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

Potential environmental effects  See section 12.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric acid</td>
<td>77-92-9</td>
<td>60 - 100</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 cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. 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.

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


Unsuitable extinguishing media  Not available
Protection of firefighters

- Specific hazards arising from the chemical
- Protective equipment for firefighters

Hazards of combustion products

- May include and are not limited to: Oxides of carbon.

Explosion data

- Sensitivity to mechanical impact
- Sensitivity to static discharge

Under certain conditions, airborne dust of citric acid can explode when ignited by an electrostatic spark, other high-voltage sparks or other ignition source.

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 the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift.

- Methods for cleaning up
  - 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. Large Spills: Wet down with water and dike for later disposal. After removal flush contaminated area thoroughly with water.

7. Handling and Storage

- Handling
  - Use good industrial hygiene practices in handling this material. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Wash thoroughly after handling.

- Storage
  - Keep out of the reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

- Exposure limits

<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>
</tbody>
</table>

- Engineering controls
  - General ventilation normally adequate.

- Personal protective equipment
  - **Eye / face protection**
    - Wear chemical goggles.
  - **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**
    - Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

- Appearance
  - Crystalline.
- Color
  - White to yellow
- Form
  - Crystals
- Odor
  - None
- Odor threshold
  - Not available
10. Stability and Reactivity

Reactivity
Reacts vigorously with alkaline material.

Possibility of hazardous reactions
Hazardous polymerization does not occur.

Chemical stability
Stable under recommended storage conditions.

Conditions to avoid
Avoid dust generation. Do not mix with other chemicals.

Incompatible materials
Caustics. Oxidizers. Reducing agents. Metal nitrates

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

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>
</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>
</tbody>
</table>

Effects of acute exposure

- **Eye**: May cause chemical burns. May cause blindness.
- **Skin**: May cause chemical burns.
- **Inhalation**: Dust extremely irritating to respiratory tract.
- **Ingestion**: Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

Sensitization
Non-hazardous by WHMIS/OSHA criteria.

Chronic effects
Non-hazardous by WHMIS/OSHA criteria.

Carcinogenicity
Non-hazardous by WHMIS/OSHA criteria.

Mutagenicity
Non-hazardous by WHMIS/OSHA criteria.

Reproductive effects
Non-hazardous by WHMIS/OSHA criteria.

Teratogenicity
Non-hazardous by WHMIS/OSHA criteria.

Name of Toxicologically Synergistic Products
Not available
12. Ecological Information

**Ecotoxicity**

**Ecotoxicity - Freshwater Fish - Acute Toxicity Data**
- Citric acid 77-92-9
  - 96 Hr LC50 Lepomis macrochirus: 1516 mg/L [static]

**Ecotoxicity - Water Flea - Acute Toxicity Data**
- Citric acid 77-92-9
  - 72 Hr EC50 Daphnia magna: 120 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 %

**WHMIS status**
- Controlled

**WHMIS classification**
- Class E - Corrosive Material

**WHMIS labeling**

**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.

**CERCLA (Superfund) reportable quantity**
- None

**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

**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.

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

LEGEND

<table>
<thead>
<tr>
<th>HMIS/NFPA</th>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>X</td>
</tr>
<tr>
<td>Serious</td>
<td>3</td>
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<td>0</td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Slight</td>
<td>1</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Minimal</td>
<td>0</td>
<td></td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

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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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.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.