1. Product and Company Identification

Product number: 841-006
Product name: Stainless Steel Polish & Cleaner
Effective date: 29-Nov-2011
Company information: Claire Manufacturing Co.
1005 S. Westgate Drive
Addison, IL 60101 United States
Company phone: General Assistance 630-543-7600
Emergency telephone US: 800-424-9300
Emergency telephone outside US: 703-527-3887
Version #: 05
Supersedes date: 21-Jul-2011

2. Hazards Identification

Emergency overview: Aerosol. EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE. Prolonged exposure may cause chronic effects.

Potential health effects:

- Routes of exposure: Eye contact. Inhalation. Skin contact. Ingestion.
- Eyes: Contact with eyes may cause irritation. Eye contact may result in corneal injury.
- Skin: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
- Inhalation: Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.
- Ingestion: Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage. Components of the product may be absorbed into the body by ingestion.

Target organs: Central nervous system. Lungs.

Chronic effects:

- Conjunctiva. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May cause delayed lung injury.

Signs and symptoms:


3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synthetic Isoparaffinic Hydrocarbon</td>
<td>64742-47-8</td>
<td>20 - 30</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>10 - 15</td>
</tr>
<tr>
<td>Odorless Mineral Spirits</td>
<td>64742-48-9</td>
<td>10 - 15</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>10 - 15</td>
</tr>
<tr>
<td>Methyl Acetate</td>
<td>79-20-9</td>
<td>8 - 10</td>
</tr>
</tbody>
</table>

Non-hazardous and other components below reportable levels: 20 - 40

4. First Aid Measures

First aid procedures:

- **Eye contact**: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
- **Skin contact**: Wash off with warm water and soap. Get medical attention if irritation develops and persists.
- **Inhalation**: If symptoms develop move victim to fresh air. Oxygen or artificial respiration if needed. Call a physician if symptoms develop or persist.
Ingestion
If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not induce vomiting without advice from poison control center. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

5. Fire Fighting Measures
Flammable properties
Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.
Extinguishing media
Water fog. Alcohol foam. Dry chemical. Carbon dioxide (CO2).
Protection of firefighters
Specific hazards arising from the chemical
Fire may produce irritating, corrosive and/or toxic gases.
Protective equipment and precautions for firefighters
In case of fire and/or explosion do not breathe fumes. Containers should be cooled with water to prevent vapor pressure build up.

6. Accidental Release Measures
Methods for containment
Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk.
Methods for cleaning up
Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

7. Handling and Storage
Handling
Pressurized container: Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Do not re-use empty containers. Avoid contact with skin. Avoid prolonged exposure.
Storage
Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat and sources of ignition. Avoid exposure to long periods of sunlight. Store in cool place. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Level 3 Aerosol.

8. Exposure Controls / Personal Protection
Exposure limits
ACGIH
Components | CAS # | TWA | STEL | Ceiling |
---|---|---|---|---|
Propane | 74-98-6 | 1000 ppm | Not established | Not established |
Acetone | 67-64-1 | 500 ppm | 750 ppm | Not established |
Methyl Acetate | 79-20-9 | 200 ppm | 250 ppm | Not established |
OSHA
Components | CAS # | TWA | STEL | Ceiling |
---|---|---|---|---|
Propane | 74-98-6 | 1000 ppm | Not established | Not established |
Acetone | 67-64-1 | 1000 ppm | Not established | Not established |
Methyl Acetate | 79-20-9 | 200 ppm | Not established | Not established |
Personal protective equipment
Eye / face protection
Chemical goggles are recommended. Do not get in eyes.
Skin protection
Wear appropriate chemical resistant clothing. Chemical resistant gloves.
Respiratory protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
9. Physical & Chemical Properties

Appearance
Compressed liquefied gas.

Boiling point
368.6 °F (187.2 °C) estimated

Color
Colorless.

Density
0.7525 g/cm³ estimated

Flammability (HOC)
33.5877 kJ/g estimated

Flash back
Yes

Flash point
-156 °F (-104.4 °C) Propellant

Form
Aerosol.

Freezing point
Not available

Odor
Solvent fruity

pH
Not Applicable

Physical state
Liquid.

Pressure
40 - 60 psig @ 70F

Solubility
Negligible

Specific gravity
0.7526 estimated

10. Chemical Stability & Reactivity Information

Chemical stability
Material is stable under normal conditions. Risk of ignition.

Conditions to avoid
Heat, flames and sparks.

Hazardous decomposition products
No hazardous decomposition products are known.

11. Toxicological Information

Acute effects
Acute LC50: 24 mg/l/4h estimated, Rat, Inhalation

Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s

<table>
<thead>
<tr>
<th>Substance</th>
<th>LD50/RD50 Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>Oral LD50 Rat 5800 mg/kg</td>
</tr>
<tr>
<td>Methyl Acetate</td>
<td>Inhalation LC50 Rat 16000 ppm 4 h; Oral LD50 Rat &gt;5000 mg/kg; Dermal LD50 Rat &gt;2000 mg/kg; Dermal LD50 Rabbit &gt;5000 mg/kg</td>
</tr>
<tr>
<td>Odorless Mineral Spirits</td>
<td>Oral LD50 Rat &gt;5000 mg/kg; Dermal LD50 Rabbit &gt;3160 mg/kg</td>
</tr>
<tr>
<td>Propane</td>
<td>Inhalation LC50 Rat 658 mg/L 4 h</td>
</tr>
<tr>
<td>Synthetic Isoparaffinic Hydrocarbon</td>
<td>Inhalation LC50 Rat &gt;5.2 mg/L 4 h; Oral LD50 Rat &gt;5000 mg/kg; Dermal LD50 Rabbit &gt;2000 mg/kg</td>
</tr>
</tbody>
</table>

Sensitization
Not expected to be hazardous by OSHA criteria.

Teratogenicity
Not expected to be hazardous by OSHA criteria.

12. Ecological Information

Ecotoxicity
LC50 199 mg/L estimated, Fish, 96.00 Hours,
EC50 10016 mg/L estimated, Daphnia, 48.00 Hours,
IC50 1294 mg/L estimated, Algae, 72.00 Hours,
Contains a substance which causes risk of hazardous effects to the environment.

13. Disposal Considerations

Waste codes
D001: Waste Flammable material with a flash point <140 F

Disposal instructions
Contents under pressure. Dispose of this material and its container to hazardous or special waste collection point. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001.
14. Transport Information

Department of Transportation (DOT) Requirements

Basic shipping requirements:
- Proper shipping name: Consumer commodity
- Hazard class: ORM-D
- Subsidiary hazard class: None
- Additional information:
  - Packaging exceptions: 156, 306
  - Packaging non bulk: 156, 306
  - Packaging bulk: None

IMDG

Basic shipping requirements:
- Proper shipping name: AEROSOLS
- Hazard class: 2.1
- UN number: 1950
- Additional information:
  - Packaging exceptions: LTD QTY
  - Item: 5F
  - Labels required: None
  - Transport Category: 2

IATA

Basic shipping requirements:
- Proper shipping name: Aerosols, flammable
- Hazard class: 2.1
- UN number: 1950
- Additional information:
  - Packaging exceptions: LTD QTY
  - Labels required: 2.1

15. Regulatory Information

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

Occupational Safety and Health Administration (OSHA)
- 29 CFR 1910.1200 hazardous chemical: Yes

CERCLA (Superfund) reportable quantity
- Acetone: 5000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)
- Section 302 extremely hazardous substance: No
- Section 311 hazardous chemical: Yes
- Hazard categories (311/312):
  - Immediate Hazard: Yes
  - Delayed Hazard: Yes
  - Fire Hazard: Yes
  - Pressure Hazard: Yes
  - Reactivity Hazard: No
### 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>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of New and Existing Chemicals (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</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)

### State regulations

| U.S. - Pennsylvania - RTK (Right to Know) List |  |
| Acetone                                       | 67-64-1 | Environmental hazard |
| Methyl Acetate                                | 79-20-9 | Present |
| Odorless Mineral Spirits                      | 64742-48-9 | Present |
| Propane                                       | 74-96-6 | Present |
| Synthetic Isoparaffinic Hydrocarbon           | 64742-47-8 | Present |

### 16. Other Information

**Further information**  
HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**

Health: 1*  
Flammability: 4  
Physical hazard: 0  
Personal protection:

**Disclaimer**  
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information in the sheet was written based on the best knowledge and experience currently available.

**MSDS sections updated**  
Composition / Information on Ingredients: Ingredients  
Hazards Identification: Eyes  
Physical & Chemical Properties: Physical & Chemical Properties

**Prepared by**  
Regulatory Compliance