1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Swisher Stainless Steel Cleaner
Product code: 41821
UN/ID No: 1950
Recommended Use: Metal polish

Distributor: Swisher Hygiene Inc.
4725 Piedmont Row Drive,
Suite 400,
Charlotte, NC 28210

Chemical Emergency Phone Number: 800-424-9300 (Chemtrec)
Company Emergency Phone Number: 800-444-4138

2. HAZARDS IDENTIFICATION

Emergency Overview
Aerosol. CONTENTS UNDER PRESSURE

Appearance: Compressed liquefied gas.
Physical state: Aerosol.
Odor: Solvent, Fruity

Potential Health Effects

Acute toxicity
- Eyes: Contact may irritate or burn eyes. 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.

Chronic Effects: No known effect based on information supplied

Aggravated Medical Conditions: None known.

Environmental hazard: See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
</table>

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4. FIRST AID MEASURES

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 immediately.

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 swallowed, immediately call a POISON CENTER or doctor/physician. 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.

Notes to physician
Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties
Heat may cause the containers to explode. Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

Flash point
<156 °F <104.4 °C

Suitable Extinguishing Media
Water Fog, Foam, CO2 or Dry Chemical.

Explosion Data
Sensitivity to Mechanical Impact
none

Sensitivity to Static Discharge
none

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.

NFPA
Health Hazard 0  Flammability 0  Stability 0  Physical and chemical hazards -

HMIS
Health Hazard 1  Flammability 4  Physical Hazard 0  Personal protection B

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Ensure adequate ventilation

Environmental precautions
Try to prevent the material from entering drains or water courses

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.
7. HANDLING AND STORAGE

Advice on safe 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. Do not get this material in contact with skin. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid prolonged exposure.

Technical measures/Storage conditions
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 Guidelines
Review Section 3 & 4 for Exposure Guidelines.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone 67-64-1</td>
<td>STEL: 750 ppm TWA: 500 ppm</td>
<td>TWA: 1000 ppm TWA: 2400 mg/m³</td>
<td>IDLH: 2500 ppm TWA: 590 mg/m³</td>
</tr>
<tr>
<td>Propane 74-98-6</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 1000 ppm TWA: 1800 mg/m³</td>
<td>IDLH: 2100 ppm TWA: 1800 mg/m³</td>
</tr>
<tr>
<td>Methyl acetate 79-20-9</td>
<td>STEL: 250 ppm TWA: 200 ppm</td>
<td>TWA: 200 ppm TWA: 610 mg/m³</td>
<td>IDLH: 3100 ppm TWA: 610 mg/m³</td>
</tr>
</tbody>
</table>

Engineering Measures
Shower
Eyewash stations
Ventilation systems

Personal Protective Equipment Institutional Environment
Eye/Face Protection
Safely glasses are suggested when using this product in heavy use and institutional environments.

Consumer Environments
Care should be taken to avoid Eye contact.

Skin and body protection
Rubber gloves

Respiratory protection
Unnecessary in open institutional environment.

Hygiene measures
Practice good personal hygiene. Wash after handling.

Personal Protective Equipment Industrial Environment
Eye/Face Protection
Splash-proof chemical goggles or face shield.

Skin and body protection
Impervious rubber, alkali-proof protective gloves Impervious rubber boots & apron.

Respiratory protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures
Practice good personal hygiene. Wash after handling. Shower at end of work period
Practice good personal hygiene. Wash after handling

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
### Physical state
- **Appearance**: Aerosol
- **Color**: Compressed liquefied gas. colorless

### Odor
- **Odor**: Solvent Fruity
- **Odor Threshold**: No information available

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>Aerosol</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Compressed liquefied gas. colorless</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Solvent Fruity</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Remarks and Methods

### Stability and Reactivity

#### Stability
Material is stable under normal conditions. Risk of ignition.

#### Incompatible products
None known based on information supplied

#### Conditions to Avoid
- Heat, flames and sparks

#### Hazardous Decomposition Products
None known based on information supplied

#### Hazardous Polymerization
Hazardous polymerization does not occur

### Toxicological Information

#### Acute toxicity
Product does not present an acute toxicity hazard based on known or supplied information.
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral (Rat)</th>
<th>LD50 Dermal (Rabbit)</th>
<th>LC50 Inhalation (Rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>paraffinic, naphthenic solvent</td>
<td>5000 mg/kg</td>
<td>2000 mg/kg</td>
<td>5.2 mg/L</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated</td>
<td>5000 mg/kg</td>
<td>3160 mg/kg</td>
<td></td>
</tr>
<tr>
<td>heavy</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetone</td>
<td>5800 mg/kg</td>
<td>2000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Propane</td>
<td>5000 mg/kg</td>
<td>5000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Methyl acetate</td>
<td>5000 mg/kg</td>
<td>5000 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

**Chronic toxicity**

**Target Organ Effects**

None known.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Contains a substance which causes risk of hazardous effects to the environment.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to microorganisms</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>paraffinic, naphthenic solvent</td>
<td>2.2: 96 h</td>
<td>4,74 - 6.33: 96 h</td>
<td>EC50 = 14500 mg/L 15 min</td>
<td>4720: 96 h Den-droneiredes heteropoda mg/L LC50</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated</td>
<td>2200: 96 h</td>
<td></td>
<td></td>
<td>2.6: 96 h Chaetogammarus marinus mg/L LC50</td>
</tr>
<tr>
<td>heavy</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetone</td>
<td>250 - 350: 96 h</td>
<td></td>
<td>EC50 = 6000 mg/L 16 h</td>
<td>10294 - 17704: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Methyl acetate</td>
<td>120: 72 h</td>
<td></td>
<td>EC50 = 6100 mg/L 30 min</td>
<td>1026.7: 48 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>0</td>
</tr>
<tr>
<td>Propane</td>
<td>2.3</td>
</tr>
<tr>
<td>Methyl acetate</td>
<td>0.18</td>
</tr>
</tbody>
</table>

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated packaging**

Do not re-use empty containers.
### 14. TRANSPORT INFORMATION

**Note**
Consumer Commodity, ORM-D, 2.1, PG II

**Dot**
Not regulated

**Proper shipping name**
Consumer Commodity, ORM-D, 2.1, PG II

**Hazard class**
2.1

**UN/ID No**
1950

**Packing Group**
II

**TDG**
Not regulated

**MEX**
Not regulated

**ICAO**
Not regulated

**ICAO/IATA**
Not regulated

**IMDG / IMO**
Not regulated

**RID**
Not regulated

**ADR/RID**
Not regulated

**ADN**
Not regulated

### 15. REGULATORY INFORMATION

**International Inventories**

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>TSCA</td>
</tr>
<tr>
<td>DSL</td>
<td>Complies</td>
</tr>
<tr>
<td>NDSL</td>
<td>Complies</td>
</tr>
<tr>
<td>EINECS</td>
<td>Complies</td>
</tr>
<tr>
<td>ELINCS</td>
<td>-</td>
</tr>
<tr>
<td>ENCS</td>
<td>Complies</td>
</tr>
<tr>
<td>IECSC</td>
<td>Complies</td>
</tr>
<tr>
<td>KECL</td>
<td>Complies</td>
</tr>
<tr>
<td>PICCS</td>
<td>Complies</td>
</tr>
<tr>
<td>AICS</td>
<td>Complies</td>
</tr>
</tbody>
</table>

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  

**U.S. Federal Regulations**

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SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories
- Acute Health Hazard: no
- Chronic Health Hazard: no
- Fire Hazard: no
- Sudden Release of Pressure Hazard: no
- Reactive Hazard: no

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>Extremely Hazardous Substances RQs</th>
<th>RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>5000 lb</td>
<td></td>
<td>RQ 5000 lb final RQ RQ 2270 kg final RQ</td>
</tr>
</tbody>
</table>

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

International Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Carcinogen Status</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td></td>
<td>Mexico: TWA 1000 ppm Mexico: TWA 2400 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL 1260 ppm Mexico: STEL 3000 mg/m³</td>
</tr>
<tr>
<td>Methyl acetate</td>
<td></td>
<td>Mexico: TWA 200 ppm Mexico: TWA 610 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL 250 ppm Mexico: STEL 760 mg/m³</td>
</tr>
</tbody>
</table>

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION
The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Material Safety Data Sheet