1. PRODUCT AND COMPANY IDENTIFICATION

Product name  Swisher Dust Mop Treatment
Product code  41822
UN/ID No  UN1950
Recommended Use  Aerosol- Dust Mop Treatment

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
FLAMMABLE
Will be easily ignited by heat, spark or flames. Prolonged exposure may cause chronic effects

Appearance  Liquefied gas  Physical state  liquid.  Odor  Solvent, Fruity

Potential Health Effects

Acute toxicity
Eyes  Contact with liquid or mist will irritate the eyes.
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  Discomfort the chest. Narcosis. Coughing. Defatting of the skin and irritation. Target organs-Central nervous system, lungs.

Environmental hazard  See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS
This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>paraffinic, naphthenic solvent</td>
<td>64742-47-8</td>
<td>70-80</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy</td>
<td>64742-48-9</td>
<td>5-8</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>8-10</td>
</tr>
</tbody>
</table>

### 4. FIRST AID MEASURES

**Eye contact**
Flush with flowing water for 15 minutes & see physician.

**Skin contact**
Wash with soap & water. See physician if irritation persists.

**Inhalation**
Move to fresh air. Get medical attention immediately.

**Ingestion**
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**
FLAMMABLE

**Flash point**
-156 °F -104.4 °C

**Suitable Extinguishing Media**
Use water spray, fog, dry chemical or carbon dioxide. Do not use water jet.

**Explosion Data**

- **Sensitivity to Mechanical Impact**: none
- **Sensitivity to Static Discharge**: none

Specific hazards arising from the chemical
Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

**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. Cool containers with flooding quantities of water until well after fire is out. Fire may produce irritating, corrosive and/or toxic gases.

**NFPA**

- **Health Hazard**: 0
- **Flammability**: 0
- **Stability**: 0

**HMIS**

- **Health Hazard**: 1
- **Flammability**: 4
- **Physical Hazard**: 0

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**
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. Use water spray to reduce vapors or divert vapor cloud drift.

**Environmental precautions**
Should not be released into the environment

**Methods for Containment**
Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.
Methods for cleaning up

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. After removal flush contaminated area thoroughly with water.

7. HANDLING AND STORAGE

Advice on safe handling

KEEP OUT OF REACH OF CHILDREN Do not contaminate water, food, or feed Do not puncture or incinerate Do not smoke while using or until sprayed surface is thoroughly dry Avoid contact with eyes Avoid prolonged exposure Do not use if spray button is missing or defective. Do not re-use empty containers

Technical measures/Storage conditions

Store in cool dry place. Keep away from heat and sources of ignition The pressure in sealed containers can increase under the influence of heat. Keep away from heat and flame Level 3 Aerosol. Do not pierce or burn, even after use. Contents under pressure.

Avoid exposure to long periods of sunlight Keep in an area equipped with sprinklers

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>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>
</tbody>
</table>

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment Institutional Environment

Eye/Face Protection
Safety 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

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Appearance</th>
<th>Odor</th>
<th>Odor Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>liquid</td>
<td>Liquefied gas</td>
<td>Solvent Fruity</td>
<td>No information available</td>
</tr>
<tr>
<td>Color</td>
<td>Pale yellow</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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### 10. STABILITY AND REACTIVITY

**Stability**
- 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

### 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

**Product Information**
- Product does not present an acute toxicity hazard based on known or supplied information.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>paraffinic, naphthenic solvent</td>
<td>5000 mg/kg (Rat)</td>
<td>2000 mg/kg (Rabbit)</td>
<td>5.2 mg/L (Rat) 4 h</td>
</tr>
</tbody>
</table>
Chronic toxicity

Target Organ Effects

None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated

<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 Lepomis macrochirius mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through</td>
<td></td>
<td></td>
<td>4720: 96 h Den-dronereides heteropoda mg/L LC50</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy</td>
<td>2200: 96 h Pimephales promelas mg/L LC50</td>
<td></td>
<td></td>
<td>2.6: 96 h Chaetogammarus marinus mg/L LC50</td>
</tr>
</tbody>
</table>

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods
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.

Contaminated packaging
Do not re-use empty containers

US EPA Waste Number
D001: Waste Flammable material with a flash point <140 °F

US EPA Waste Number
D001

14. TRANSPORT INFORMATION

Note
UN1950, Aerosols Flammable, PG N/A, 2.1, LTD QTY

Dot
Proper shipping name
UN1950, Aerosols Flammable, PG N/A, 2.1, LTD QTY
Hazard class
2.1
UN/ID No
UN1950

TDG
Not regulated

MEX
Not regulated

ICAO
Not regulated
15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Complies</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>TSCA</td>
</tr>
<tr>
<td>DSL</td>
<td></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

SARA 313
Section 302 extremely hazardous substance - No
Section 311 hazardous chemical - Yes

SARA 311/312 Hazard Categories

- Acute Health Hazard: no
- Chronic Health Hazard: no
- Fire Hazard: Yes
- Sudden Release of Pressure Hazard: Yes
- 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.

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

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

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

Issuing Date: 05-Oct-2011
Revision Date: 28-Nov-2011
Revision Note: No information available

Disclaimer:
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