Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>Swisher Intershine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>40046-5</td>
</tr>
<tr>
<td>Reference number(s)</td>
<td>40046-1 / 40046-55</td>
</tr>
<tr>
<td>Recommended Use</td>
<td>25% High Gloss Finish</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Thin Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
</tbody>
</table>

Potential Health Effects

Acute toxicity
- Eyes: Irritating to eyes
- Skin: Irritating to skin
- Inhalation: No known effect based on information supplied
- Ingestion: No known effect based on information supplied

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

This material is not 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>Diethylene glycol monomethyl ether</td>
<td>111-77-3</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>34590-94-8</td>
<td>&lt; 5</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

Ingestion  
Give a teaspoonful of milk of magnesia, followed by milk or water to dilute material; DO NOT induce vomiting. Avoid alcohol. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Notes to physician  
Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties  
Not flammable

Flash point  
none

Suitable Extinguishing Media  
Use water spray or fog, foam, dry chemical, carbon dioxide, alcohol foam, if product is involved.

Hazardous Combustion Products  
If burned, normal combustion products Carbon Dioxide and Ammonia.

Explosion Data  
Sensitivity to Mechanical Impact  none
Sensitivity to Static Discharge  none

Protective Equipment and Precautions for Firefighters  
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA  
Health Hazard 0  Flammability 0  Stability 0  Physical and chemical hazards -
HMIS  
Health Hazard 1  Flammability 0  Physical Hazard 0  Personal protection A

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  
Dike large spills and place in suitable containers.

Methods for cleaning up  
Mop up & flush to sewer with plenty of water. Floors may be slippery. Use care to avoid falls.

7. HANDLING AND STORAGE

Advice on safe handling  
KEEP OUT OF REACH OF CHILDREN CAUTION Do not get in eyes, on skin or on clothing Do not contaminate water, food, or feed Avoid entry into sewers or natural waters

Technical measures/Storage conditions  
Avoid all contact. Store upright in original closed container.
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>Dipropylene glycol monomethyl ether 34590-94-8</td>
<td>STEL: 150 ppm TWA: 100 ppm</td>
<td>TWA: 100 ppm TWA: 600 mg/m^3 S*</td>
<td>IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m^3 STEL: 150 ppm STEL: 900 mg/m^3</td>
</tr>
</tbody>
</table>

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment Industrial 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 Institutional 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>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Appearance</td>
<td>Thin Liquid</td>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>Color</td>
<td>Opaque White</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>9.0</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>212 °F</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flash Point</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>GT 1.0</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>upper flammability limit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>lower flammability limit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosion Limits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>upper</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>lower</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>17</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>0.62</td>
<td></td>
<td>No information available</td>
</tr>
</tbody>
</table>
Specific Gravity 1.032  No information available
Water solubility Complete Dispersible  No information available
Solubility in other solvents  No information available
Partition coefficient: n-octanol/water  No information available
Autoignition temperature  No information available
Decomposition temperature  No information available
Viscosity, kinematic  No information available
Viscosity, dynamic  No information available
Explosive properties  No information available
Oxidizing Properties  No information available

9.2 Other information
Softening point  No information available
Molecular Weight  No information available
VOC Content(%)  No information available
Density VALUE 8.6
Bulk Density VALUE  No information available

10. STABILITY AND REACTIVITY

Stability  Stable, protect from freezing Store below 115°F
Incompatible products  Strong oxidizing, reducing agents; acids; alkalis; cationics.
Conditions to Avoid  None known based on information supplied
Hazardous Decomposition Products  If burned, normal combustion products: Carbon Dioxide, Ammonia.
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>Diethylene glycol monomethyl ether</td>
<td>4 mL/kg (Rat)</td>
<td>2500 µL/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>5230 mg/kg (Rat)</td>
<td>9500 mg/kg (Rabbit)</td>
<td></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>Daphnia (Virtual)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Diethylene glycol monomethyl ether | 500: 72 h Desmodesmus subspicatus mg/L EC50 | 5741: 96 h Pimephales promelas mg/L LC50 7500: 96 h Lepomis macrochirus mg/L LC50 7500: 96 h Lepomis macrochirus mg/L LC50 static | EC50 > 10000 mg/L 17 h | >500: 48 h Daphnia magna mg/L EC50
---|---|---|---|---
Dipropylene glycol monomethyl ether | 10000: 96 h Pimephales promelas mg/L LC50 static | 5741: 96 h Pimephales promelas mg/L LC50 7500: 96 h Lepomis macrochirus mg/L LC50 7500: 96 h Lepomis macrochirus mg/L LC50 static |

### 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**

Liquid Polishing Compound, Not Regulated

**Dot**

Not regulated

**Proper shipping name**

Liquid Polishing Compound, Not Regulated

**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>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Complies</td>
<td>Complies</td>
<td>Complies</td>
<td>-</td>
<td>Complies</td>
<td>Complies</td>
<td>Complies</td>
</tr>
</tbody>
</table>
U.S. Federal Regulations

SARA 313
SARA TITLE III (EPCRA) NOTIFICATION: GLYCOL ETHERS

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.

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>Dipropylene glycol monomethyl ether</td>
<td></td>
<td>Mexico: TWA 100 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: TWA 60 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL 150 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL 900 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

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

Issuing date 08-Nov-2011
Revision Date 08-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