1. IDENTIFICATION

Product Identifier

Product Name  Slide On/Cycle Mold Cleaner

Other means of identification

SDS #  44212C-DME

Product Code  44212C-DME

Synonyms  Natural Citrus Oil

Citrus Mold Cleaner

UN/ID No  UN1950

Other Information  Formula: 52352

Recommended use of the chemical and restrictions on use

Recommended Use  Industrial mold cleaner

Uses Advised Against  Use only under manufacturer's instructions

Details of the supplier of the safety data sheet

Initial Supplier Address  DME Moulding Supplies

6210 Northwest Drive

Mississauga, Ontario L4V 1J6

905-677-6370

Manufacturer Address  Slide Products Inc.

430 S. Wheeling Road

Wheeling, IL 60090

Emergency Telephone Number

Initial supplier phone number  Please enter Initial Suppliers Phone Number here

Emergency Telephone (24 hr)  INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance  Clear liquid in an aerosol

Physical state  Aerosol.

Odour  Sweet

Classification

<table>
<thead>
<tr>
<th>Effect</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Skin sensitisation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Category 1B</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 3</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable Aerosols</td>
<td>Category 2</td>
</tr>
<tr>
<td>Gases under pressure</td>
<td>Compressed Gas</td>
</tr>
</tbody>
</table>

Label Elements

Signal word
Danger
Hazard statements
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause respiratory irritation. May cause drowsiness or dizziness
May cause genetic defects
May be fatal if swallowed and enters airways
Flammable Aerosol
Contains gas under pressure; may explode if heated

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapours/spray
Contaminated work clothing should not be allowed out of the workplace
Use only outdoors or in a well-ventilated area
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Do not spray on an open flame or other ignition source
Pressurized container: Do not pierce or burn, even after use
Wear protective gloves/protective clothing/eye protection/face protection
Avoid release to the environment

Precautionary Statements - Response
If exposed or concerned: Get medical advice/attention
If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash it before reuse
If skin irritation or rash occurs: Get medical advice/attention
If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting
Collect spillage

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other Information
Very toxic to aquatic life with long lasting effects
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Substance</th>
<th>Natural Citrus Oil</th>
<th>Citrus Mold Cleaner</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>Hazardous Material Information Review Act registry number (HMIRA registry #)</th>
<th>Date HMIRA filed and date exemption granted (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene</td>
<td>5989-27-5</td>
<td>35</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy</td>
<td>64742-48-9</td>
<td>27</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>27</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Propane</td>
<td>68476-86-8</td>
<td>11</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First Aid Measures

General advice
If exposed or concerned: Get medical advice/attention.

Eye contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin contact
Wash with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Call a physician if you feel unwell. If skin irritation persists, call a doctor. Apply hand cream.

Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion
Do NOT induce vomiting. Call a doctor immediately.

Most important symptoms and effects
Symptoms
In high concentrations, vapors and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Skin contact can lead to drying, defatting, itching, stinging and irritation. Causes eye irritation.

Indication of any immediate medical attention and special treatment needed
Note to doctors
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Carbon dioxide (CO2). Foam. Dry chemical.

Unsuitable extinguishing media
CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical
Extremely flammable. Aerosol flame projection test: >18” extension at 70 F. Aerosols may rupture violently at temperatures above 120 F.

Hazardous Combustion Products
Carbon oxides.

Explosion Data
Sensitivity to Mechanical Impact: None.
Sensitivity to Static Discharge: None.
Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**

Ensure adequate ventilation.

**Environmental precautions**

See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for containment**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Pick up and transfer to properly labelled containers.

**Prevention of secondary hazards**

Clean contaminated objects and areas thoroughly observing environmental regulations.

### 7. HANDLING AND STORAGE

**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing vapours or mists. Do not allow contaminated clothing out of the workplace. Use only in well-ventilated areas. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not spray near open flame. Pressurized container: Do not pierce or burn, even after use. Do not drop containers.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Do not store at temperatures above 120°F. Protect from direct sunlight. Keep away from heat, sparks and flame.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Limits**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Canada - Alberta - Occupational Exposure Limits - Ceilings</th>
<th>Canada - British Columbia - Occupational Exposure Limits - Ceilings</th>
<th>Canada - Ontario - Occupational Exposure Limits - Ceilings</th>
<th>Quebec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>TWA: 200 ppm TWA: 492 mg/m³ STEL: 400 ppm STEL: 984 mg/m³</td>
<td>TWA: 200 ppm STEL: 400 ppm</td>
<td>TWA: 200 ppm STEL: 400 ppm</td>
<td>TWA: 400 ppm TWA: 985 mg/m³ STEL: 500 ppm STEL: 1230 mg/m³</td>
</tr>
</tbody>
</table>

**Appropriate engineering controls**

**Engineering controls**

Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas.
Individual protection measures, such as personal protective equipment

Eye/face protection  Safety glasses should always be worn in an industrial operation.
Hand protection  Protective gloves are not required, but recommended.
Skin and body protection  No special protective equipment required.
Respiratory protection  No protection is ordinarily required under normal conditions of use and with adequate ventilation.

General hygiene considerations  Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Aerosol</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear liquid in an aerosol</td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>Clear</td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td>Sweet</td>
<td></td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>-96.7 °C / -142 °F</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>177.8 °C / 352 °F</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Slow</td>
<td></td>
</tr>
<tr>
<td>Flammability (Solids, Gas)</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limit</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>1 mmHg</td>
<td>@ 20 C</td>
</tr>
<tr>
<td>Vapour Density</td>
<td>4.7</td>
<td></td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.841</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Slightly soluble</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not determined.</td>
<td></td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not determined.</td>
<td></td>
</tr>
</tbody>
</table>

Other Information

Softening Point  No information available
Molecular weight  No information available
VOC Content (%)  100%
Density  No information available
Bulk Density  No information available

10. STABILITY AND REACTIVITY

Reactivity  Not reactive under normal conditions.
Chemical Stability  Stable under normal conditions.
Possibility of Hazardous Reactions  None under normal processing.
Conditions to Avoid
Do not puncture or incinerate cans. Avoid temperatures above 120°F.

Incompatible Materials
None known based on information supplied.

Hazardous Decomposition Products
Carbon monoxide. Carbon dioxide (CO2).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye contact
Causes severe eye irritation.

Skin contact
May be harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.

Inhalation
Avoid breathing vapours or mists.

Ingestion
Do not ingest.

Information on physical, chemical and toxicological effects

Symptoms
In high concentrations, vapors and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Causes eye irritation.

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ATEmix (oral)</th>
<th>ATEmix (dermal)</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene</td>
<td>3,599.00</td>
<td>&gt; 5 g/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Naphtha</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 3160 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>= 1870 mg/kg (Rat)</td>
<td>= 4059 mg/kg (Rabbit)</td>
<td>= 72600 mg/m³ (Rat) 4 h</td>
</tr>
</tbody>
</table>

Unknown acute toxicity
No information available

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene</td>
<td>-</td>
<td>Group 3</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>-</td>
<td>Group 3</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Germ cell mutagenicity
May cause genetic defects.

Carcinogenicity
Group 3 IARC components are "not classifiable as human carcinogens".
Legend
IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"

OSHA (Occupational Safety and Health Administration of the US Department of Labour)
X - Present

STOT - single exposure
May cause respiratory irritation. May cause drowsiness or dizziness.

Aspiration hazard
May be fatal if swallowed and enters airways.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity**
Very toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene 5989-27-5</td>
<td>-</td>
<td>0.619 - 0.796: 96 h</td>
<td>Pimephales promelas mg/L</td>
<td>LC50 flow-through 35: 96 h</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oncorhynchus mykiss mg/L</td>
<td></td>
<td>LC50</td>
</tr>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy 64742-48-9</td>
<td>-</td>
<td>2200: 96 h Pimephales promelas mg/L</td>
<td>LC50</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.6: 96 h Chaetogammarus marinus mg/L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isopropyl Alcohol 67-63-0</td>
<td>1000: 96 h Desmodesmus subspicatus mg/L</td>
<td>EC50</td>
<td>1400000: 96 h Pimephales promelas mg/L</td>
<td>LC50 flow-through 11130: 96 h</td>
</tr>
<tr>
<td></td>
<td>1000: 72 h Desmodesmus subspicatus mg/L</td>
<td>EC50</td>
<td>13299: 48 h Daphnia magna mg/L</td>
<td>EC50</td>
</tr>
</tbody>
</table>

**Persistence/Degradability**
No information available.

**Bioaccumulation**
No information available.

**Mobility**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol 67-63-0</td>
<td>0.05</td>
</tr>
<tr>
<td>Propane 68476-86-8</td>
<td>2.8</td>
</tr>
</tbody>
</table>

**Other Adverse Effects**
No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

**Waste from residues/unused products**
Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging**
Empty fully, including gas pressure. Do not puncture or incinerate cans. Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of in accordance with federal, state and local regulations.

### 14. TRANSPORT INFORMATION

**Note**
Based on package size, product may be eligible for limited quantity exception
TDG

UN/ID No: UN1950
Proper Shipping Name: Aerosols
Hazard Class: 2.1

DOT

UN/ID No: UN1950
Hazard Class: 2.1

IATA

UN/ID No: UN1950
Proper Shipping Name: Aerosols, flammable
Hazard Class: 2.1

IMDG

UN/ID No: UN1950
Hazard Class: 2.1
Marine Pollutant: This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Regulations

Ozone-depleting substances (ODS) Not applicable
Persistent Organic Pollutants Not applicable
Export Notification requirements Not applicable

International Inventories

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>DSL/NDSL</th>
<th>EINECS/ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Naphtha (petroleum),</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>hydrotreated heavy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Propane</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Legend:

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 Chemical Substances/European 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
16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>0</td>
<td></td>
<td>B</td>
</tr>
</tbody>
</table>

Legend  Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>TWA</th>
<th>TWA (time-weighted average)</th>
<th>STEL</th>
<th>STEL (Short Term Exposure Limit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceiling</td>
<td>Maximum limit value</td>
<td>*</td>
<td>Skin designation</td>
</tr>
</tbody>
</table>

Issue Date: 11-Jul-2016
Revision Date: 15-Mar-2018
Revision Note: No information available.

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.

End of Safety Data Sheet