1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Swisher Select Pine Cleaner
Product code: 40118-1
Recommended Use: Natural oil pine cleaner.

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.

Appearance: Thin Liquid
Physical state: liquid.
Odor: Pine

Potential Health Effects
Acute toxicity
- Eyes: Irritating to eyes
- Skin: Irritating to skin
- Inhalation: No known effect based on information supplied
- Ingestion: May be harmful if swallowed

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>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>&lt;4</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES
5. FIRE-FIGHTING MEASURES

Flammable Properties
FLAMMABLE

Flash point
148 °F

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, Carbon monoxide; Nitrous oxides.

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

Specific hazards arising from the chemical
Combustible. Keep away from heat, sparks and open flame. Use water spray to cool adjacent fire exposed containers. Product will not burn but may splatter if temperature exceeds boiling point.

Protective Equipment and Precautions for Firefighters
Avoid exposure to fumes or vapors.

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 pump to suitable containers.

Methods for cleaning up
Mop up small spills and 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 Remove and wash contaminated clothing before re-use

Technical measures/Storage conditions
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>Isopropyl alcohol</td>
<td>STEL: 400 ppm TWA: 200 ppm</td>
<td>TWA: 400 ppm TWA: 980 mg/m³</td>
<td>IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m³</td>
</tr>
</tbody>
</table>

Engineering Measures
Shower
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>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Thin Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>clear brown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Pine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>8.0 - 9.0</td>
<td></td>
<td></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>148 °C</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&gt;1.00</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>
<tr>
<td>Specific Gravity</td>
<td>0.996</td>
<td></td>
<td>No information available</td>
</tr>
</tbody>
</table>
### 10. STABILITY AND REACTIVITY

**Stability**
Stable, protect from freezing.

**Incompatible products**
Strong oxidizing agents, reducing agent
Anionics.

**Conditions to Avoid**
None known based on information supplied

**Hazardous Decomposition Products**
If burned, normal combustion products: Carbon dioxide, Carbon monoxide; Nitrous oxides.

**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>Isopropyl alcohol</td>
<td>4396 mg/kg (Rat)</td>
<td>12800 mg/kg (Rat)</td>
<td>72.6 mg/L (Rat)</td>
</tr>
<tr>
<td></td>
<td>12870 mg/kg (Rabbit)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Chronic toxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>Group 1</td>
<td>Group 3</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

**Target Organ Effects**
None known.

#### 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>
</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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>0.05</td>
</tr>
</tbody>
</table>

### 14. TRANSPORT INFORMATION

**Note**

Cleaning Compound, Not Regulated

**Dot**

Not regulated

**Proper shipping name**

Cleaning 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

<table>
<thead>
<tr>
<th>International Inventories</th>
<th></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>
</tbody>
</table>
Swisher Select Pine Cleaner

Revision Date 13-Oct-2011

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. Federal Regulations

SARA 313

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Acute Health Hazard</th>
<th>Chronic Health Hazard</th>
<th>Fire Hazard</th>
<th>Sudden Release of Pressure Hazard</th>
<th>Reactive Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
<td>no</td>
</tr>
</tbody>
</table>

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>Isopropyl alcohol</td>
<td></td>
<td>Mexico: TWA 400 ppm Mexico: TWA 980 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL 500 ppm Mexico: STEL 1225 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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>NPRI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>X</td>
</tr>
</tbody>
</table>

**16. OTHER INFORMATION**

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

Issuing date: 13-Oct-2011
Revision Date: 13-Oct-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