# Pineofec Pine Oil Detergent

## Material Safety Data Sheet (MSDS)

### Detergents

### Section I ► Product Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Type</th>
<th>WHMIS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pineofec</td>
<td>Pine Oil Detergent</td>
<td>Non-regulated</td>
</tr>
</tbody>
</table>

### Section II ► Hazardous Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Cas Registry No.</th>
<th>%</th>
<th>Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Section III ► Physical Data

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Odour</th>
<th>pH</th>
<th>Boiling Point</th>
<th>Specific Gravity</th>
<th>Solubility in Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear yellow liquid</td>
<td>Scented</td>
<td>11.0</td>
<td>100 °C</td>
<td>1.0</td>
<td>100 %</td>
</tr>
</tbody>
</table>

### Section IV ► Fire and Explosion Hazard Data

- **Flash Point (°C):** None
- **Extinguishing media:** Not Applicable
- **Special fire fighting procedures:** None
- **Unusual fire and explosion hazards:** None

### Section V ► Toxicological Properties

#### HAZARD RATING:
- Health = 1
- Flammability = 0
- Reactivity = 0

<table>
<thead>
<tr>
<th>Swallowing</th>
<th>Inhalation</th>
<th>Skin Absorption</th>
<th>Skin Contact</th>
<th>Eye Contact</th>
<th>Special Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slightly Toxic</td>
<td>Not applicable</td>
<td>Not Applicable</td>
<td>slight irritation</td>
<td>slight irritation</td>
<td>None</td>
</tr>
</tbody>
</table>

### Section VI ► First Aid Measures

- **Ingestion:** Drink 3-4 glasses of milk or water.
- **Inhalation:** Not Applicable
- **Skin:** Flush with water.
- **Eyes:** Flush with water. If irritation persists, call a physician.

### Section VII ► Reactivity Data

- **Stable:** Yes
- **Conditions to avoid:** None
- **Incompatibility with other materials:** None
- **Hazardous decomposition products:** None
- **Hazardous polymerization:** Will not occur.

### Section VIII ► Preventive Measures

- **Hand protection:** None
- **Eye protection:** None
- **Ventilation:** General
- **Respiratory protection:** No
- **Other protective equipment:** None
- **Steps to be taken in case material is released or spilled:** Mop up spillage. Rinse spill area with water and allow to dry.
- **Waste disposal method:** Flush with water into waste systems in accordance with municipal, provincial and federal regulations.
- **Precautions to be taken in handling and storage:** Normal handling processes. Inside storage at 4-40 °C recommended.
- **Other precautions:** Follow label use instructions.

### Section IX ► Preparation Data

- **UN:** Not Applicable
- **TDG Class:** None
- **Packing Group:** Not Applicable
- **TDG Emergency Telephone Number:** 613-996-6666 (COLLECT)

### Prepared by:

M. Mikoluk

**Last updated:** August 29, 2014

**Location:** Dustbane Products Limited, 25 Pickering Place, Ottawa, Ontario, K1G 5P4 – 613-745-6861
“Multipurpose cleaner with superior and efficient cleaning of grease and dirt while leaving a fresh pine scent.”

FEATURES AND BENEFITS

Pine oil base: Serves as a deodorizer, emulsifier and a solvent.

High concentration: A little goes a long way, very economical.

Contains a soap/synthetic surfactant blend: Unaffected by hard water with the advantages of the cleaning abilities of a natural surfactant.


WHERE TO USE

May be used on any washable surface where odours are a problem.

HOW TO USE

Dilute according to the dilution rates mentioned below. Apply using an auto-scrubber, mop, sponge, cloth or trigger sprayer. Rinse with potable water.

Recommended dilution rates:
Light duty cleaning ................................................................. 1:80
Normal cleaning ...................................................................... 1:60
Heavy duty cleaning ............................................................. 1:40

Note: Adjust rates to suit your cleaning needs.

SPECIFICATIONS

Appearance: Clear amber liquid

Fragrance: Pine

Viscosity: As water

Actives%: 25.0

pH (conc.): 11.0

pH (1%): 9.2

Solvent: Pine oil

Phosphate: None

WHMIM: No

TDG: No