# Power Kleen Cleaner and Degreaser

## Material Safety Data Sheet (MSDS)

### SECTION I  ▶ PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Type</th>
<th>WHMIS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Kleen</td>
<td>Cleaner and Degreaser</td>
<td>D,B,E</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>Alkyl Dimethyl Benzyl Ammonium-Chloride</td>
<td>8001-54-5</td>
<td>0.5-1.5</td>
<td>LD₅₀ ORAL (RAT) 400 mg/kg</td>
</tr>
<tr>
<td>Sodium Metasilicate</td>
<td>6834-92-0</td>
<td>1-5</td>
<td>LD₅₀ ORAL (RAT) 874 mg/kg</td>
</tr>
<tr>
<td>Alcohol Ethoxylate</td>
<td>68131-39-5</td>
<td>1-5</td>
<td>LD₅₀ ORAL (RAT) 2140 mg/kg</td>
</tr>
<tr>
<td>Dipropylene Glycol Methyl Ether</td>
<td>34590-94-8</td>
<td>1-5</td>
<td>LD₅₀ ORAL (RAT) 5430 mg/kg</td>
</tr>
<tr>
<td>Propylene Glycol n-Butyl Ether</td>
<td>5131-66-8</td>
<td>1-5</td>
<td>LD₅₀ ORAL (RAT) 2200 mg/kg</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 Orange Liquid</td>
<td>Scented</td>
<td>12.7</td>
<td>100 ºC</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 = 2  Flammability = 0  Reactivity = 1

<table>
<thead>
<tr>
<th>Swallowing</th>
<th>Inflammability</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slightly Toxic</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

- **Inhalation:** Slight Irritant
- **Skin Absorption:** Unknown
- **Skin Contact:** Slight to moderate irritant
- **Eye Contact:** Irritant
- **Special Warning:** None

### SECTION VI  ▶ FIRST AID MEASURES

- **Ingestion:** Do not induce vomiting. Drink 3-4 glasses of milk or water. Call a physician immediately.
- **Inhalation:** Remove to fresh air. Call a physician
- **Skin:** Flush with water for at least 15 minutes. If irritation persists, call a physician.
- **Eyes:** Flush with water for at least 15 minutes. Call a physician immediately.

### SECTION VII  ▶ REACTIVITY DATA

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

### SECTION VIII  ▶ PREVENTIVE MEASURES

- **Hand protection:** Chemical resistant gloves
- **Eye protection:** Safety glasses with side shields
- **Ventilation:** General
- **Respiratory protection:** None
- **Other protective equipment:** In case of spills, wear chemical resistant apron and boots.

### Section IX  ▶ PREPARED DATA

- **Prepared by:** M. Mikoluk
- **Last updated:** June 1, 2015
- **Location:** Dustbane Products Limited, 25 Pickering Place, Ottawa, Ontario, K1G 5P4 – 613-745-6861
“A non-butyl water-based cleaner and degreaser intended for use on any surface where grease and oil residue are a problem. It gives the end users an alternative to butyl-based products.”

**FEATURES AND BENEFITS**

- **Environmentally friendly**: A.P.E. free.
- **Alkaline pH**: Quickly cuts through and emulsifies grease and oil.
- **Buffered pH**: Continuous high performance cleaning.
- **Contains safe solvent**: Removes both water and petroleum based spots and stains. Water soluble, non-flammable, low toxicity.
- **Hard water stable**: No loss of performance in hard water.
- **Easy to rinse**: Fast rinsing in hot or cold water, which speeds up the overall cleaning process.
- **Easy to apply**: Can be applied by mop, sponge, spray or dip methods.

**WHERE TO USE**

Power Kleen may be used to remove grease, oil, tar, ink, carbon, etc. from a variety of surfaces including painted walls and woodwork, painted and unpainted metal (including aluminium), concrete floors, plastic, vinyl, rubber and other similar surfaces.

**HOW TO USE**

Dilute according to the dilution rates mentioned below. Apply using an auto-scrubber, mop, sponge, cloth, trigger sprayer or pressure washer.

**Recommended dilution rates:**

<table>
<thead>
<tr>
<th>Light duty cleaning</th>
<th>Normal cleaning</th>
<th>Heavy duty cleaning</th>
<th>Spray bottle</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:80</td>
<td>1:10</td>
<td>1:5</td>
<td>1:4</td>
</tr>
</tbody>
</table>

*Note: Adjust rates to suit your cleaning needs.*

**SPECIFICATIONS**

- **Appearance**: Clear orange liquid
- **Fragrance**: Lemon
- **Viscosity**: As water
- **pH (conc.)**: 12.7
- **pH (1%)**: 10.0
- **Solvent**: Propylene glycol ether
- **Phosphate**: No
- **WHMIS**: Yes
- **TGV**: Yes