



# MATERIAL SAFETY DATA SHEET (MSDS)

## Power Kleen Cleaner and Degreaser

### Degreasers



SECTION I ▶ PRODUCT IDENTIFICATION					
<b>Product Name</b>		<b>Product Type</b>		<b>WHMIS Classification</b>	
Power Kleen		Cleaner and Degreaser		D <sub>2</sub> B, E	
SECTION II ▶ HAZARDOUS INGREDIENTS					
<b>Chemical Name</b>		<b>Cas Registry No.</b>	<b>%</b>	<b>Toxicity</b>	
Alkyl Dimethyl Benzyl Ammonium-Chloride		8001-54-5	0.5-1.5	LD <sub>50</sub> ORAL (RAT) 400 mg/kg	
Sodium Metasilicate		6834-92-0	1-5	LD <sub>50</sub> ORAL (RAT) 874 mg/kg	
Alcohol Ethoxylate		68131-39-5	1-5	LD <sub>50</sub> ORAL (RAT) 2140 mg/kg	
Dipropylene Glycol Methyl Ether		34590-94-8	1-5	LD <sub>50</sub> ORAL (RAT) 5430 mg/kg	
Propylene Glycol n-Butyl Ether		5131-66-8	1-5	LD <sub>50</sub> ORAL (RAT) 2200 mg/kg	
SECTION III ▶ PHYSICAL DATA					
<b>Appearance</b>	<b>Odour</b>	<b>pH</b>	<b>Boiling Point</b>	<b>Specific Gravity</b>	<b>Solubility in Water</b>
Clear Orange Liquid	Scented	12.7	100 °C	1.0	100 %
SECTION IV ▶ FIRE AND EXPLOSION HAZARD DATA					
<b>Flash Point (°C):</b> None			<b>Extinguishing media:</b> Not Applicable		
<b>Special fire fighting procedures:</b> None					
<b>Unusual fire and explosion hazards:</b> None					
SECTION V ▶ TOXICOLOGICAL PROPERTIES					
<b>HAZARD RATING:</b> Health = 2 Flammability = 0 Reactivity = 1					<b>Rating System</b> 0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme
<b>Swallowing:</b> Slightly Toxic					
<b>Inhalation:</b> Slight Irritant					
<b>Skin Absorption:</b> Unknown					
<b>Skin Contact:</b> Slight to moderate irritant					
<b>Eye Contact:</b> Irritant					
<b>Special Warning:</b> None					
SECTION VI ▶ FIRST AID MEASURES					
<b>Ingestion:</b> Do not induce vomiting. Drink 3-4 glasses of milk or water. Call a physician immediately.					
<b>Inhalation:</b> Remove to fresh air. Call a physician					
<b>Skin:</b> Flush with water for at least 15 minutes. If irritation persists, call a physician.					
<b>Eyes:</b> Flush with water for at least 15 minutes. Call a physician immediately.					
SECTION VII ▶ REACTIVITY DATA					
<b>Stable:</b> Yes					
<b>Conditions to avoid:</b> None					
<b>Incompatibility with other materials:</b> Strong acids					
<b>Hazardous decomposition products:</b> None					
<b>Hazardous polymerization:</b> Will not occur.					
SECTION VIII ▶ PREVENTIVE MEASURES					
<b>Hand protection:</b> Chemical resistant gloves					
<b>Eye protection:</b> Safety glasses with side shields					
<b>Ventilation:</b> General					
<b>Respiratory protection:</b> None					
<b>Other protective equipment:</b> In case of spills, wear chemical resistant apron and boots.					
<b>Steps to be taken in case material is released or spilled:</b> Mop up spillage. Rinse spill area with water and allow to dry.					
<b>Waste disposal method:</b> Flush with water into waste systems in accordance with municipal, provincial and federal regulations.					
<b>Precautions to be taken in handling and storage:</b> Normal handling processes. Inside storage at 4-40 °C recommended.					
<b>Other precautions:</b> Follow label use instructions.					
<b>UN:</b> 1760		<b>TDG Class:</b> 8		<b>Packing Group:</b> III	
<b>TDG Emergency Telephone Number:</b> 613-996-6666 (COLLECT)					
SECTION IX ▶ PREPERATION DATA					
<b>Prepared by:</b> M. Mikoluk			<b>Last updated:</b> June 1, 2015		
<b>Location:</b> Dustbane Products Limited, 25 Pickering Place, Ottawa, Ontario, K1G 5P4 – 613-745-6861					

# Power Kleen

## Cleaner and Degreaser

“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

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

<b>Recommended dilution rates:</b>	
Light duty cleaning .....	1:80
Normal cleaning .....	1:10
Heavy duty cleaning .....	1:5
Spray bottle .....	1:4

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

### SPECIFICATIONS

<b>Appearance:</b> Clear orange liquid
<b>Fragrance:</b> Lemon
<b>Viscosity:</b> As water
<b>pH (conc.):</b> 12.7
<b>pH (1%):</b> 10.0
<b>Solvent:</b> Propylene glycol ether
<b>Phosphate:</b> No
<b>WHMIS:</b> Yes
<b>TDG:</b> Yes