



# MATERIAL SAFETY DATA SHEET (MSDS)

## Complex Orange

*liquid degreaser*

Degreasers



SECTION I ► PRODUCT IDENTIFICATION					
<b>Product Name</b>		<b>Product Type</b>		<b>WHMIS Classification</b>	
Complex Orange		Citrus liquid degreaser		D2B, E	
SECTION II ► HAZARDOUS INGREDIENTS					
<b>Chemical Name</b>		<b>Cas Registry No.</b>	<b>%</b>	<b>Toxicity</b>	
Sodium Metasilicate		6834-92-0	1-5	LD <sub>50</sub> ORAL (RAT) 622 mg/kg	
Alcohol Ethoxylate		68131-39-5	1-5	LD <sub>50</sub> ORAL (RAT) >2000 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	Orange	12.5	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 to Moderately Toxic					
<b>Inhalation:</b> No Effect Expected					
<b>Skin Absorption:</b> Unknown					
<b>Skin Contact:</b> Slight to moderate Irritant					
<b>Eye Contact:</b> Moderate 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.					
<b>Skin:</b> Flush with water for 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> Yes (Wear chemical resistant gloves)					
<b>Eye protection:</b> Yes (Wear 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> D.R. Dunlop			<b>Last updated:</b> August 1, 2012		
<b>Location:</b> Dustbane Products Limited, 25 Pickering Place, Ottawa, Ontario, K1G 5P4 – 613-745-6861					

# Complex Orange

## liquid degreaser

"Solvent free degreaser cleaner quickly emulsifies and removes the toughest dirt and soils."

### FEATURES AND BENEFITS

**Superior Degreasing:** Highly effective degreaser for all dirt and soils.

**Solvent, VOC & APE Free:** An environmentally responsible degreaser.

**Buffered pH:** Continuous high performance cleaning.

**Pleasant Fragrance:** Fresh orange scent.

**Versatile:** Use with mop, sponge, cloth or pressure washer.

**Water Soluble:** Mixes easily with water.

### WHERE TO USE

Can be used wherever conventional degreasers have been used in the past such as warehouse, print shops, garages, machine shops and washrooms.

### HOW TO USE

#### Recommended Dilution Rates:

Light Duty Cleaning 1:80

Normal Cleaning 1:30

Heavy Duty Cleaning 1:15

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

May be applied using a mop, sponge, cloth, trigger sprayer or pressure washer. Rinse as required with potable water.

### SPECIFICATIONS

**Appearance:** Clear orange liquid

**Fragrance:** Orange

**Viscosity:** As water

**pH (conc.):** 12.5

**pH (1%):** 10.6

**Solvent:** None

**Phosphate:** None

**WHMIS:** Yes

**TDG:** Yes

**CFIA approval:** Yes