



MATERIAL SAFETY DATA SHEET (MSDS)

Emerald M4

Hard Surface Cleaner and Degreaser

Degreasers



SECTION I ▶ PRODUCT IDENTIFICATION					
Product Name		Product Type		WHMIS Classification	
Emerald M4		Liquid Detergent		Not applicable	
SECTION II ▶ HAZARDOUS INGREDIENTS					
Chemical Name		Cas Registry No.	%	Toxicity	
Not Applicable					
SECTION III ▶ PHYSICAL DATA					
Appearance	Odour	pH	Boiling Point	Specific Gravity	Solubility in Water
Clear green liquid	Unscented	10.5	100 °C	1.0	100 %
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					Rating System 0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme
Swallowing: Slightly Toxic					
Inhalation: Not applicable					
Skin Absorption: Not Applicable					
Skin Contact: May cause slight irritation					
Eye Contact: May cause slight irritation					
Special Warning: None					
SECTION VI ▶ FIRST AID MEASURES					
Ingestion: Drink 3-4 glasses of milk or water. Call a physician.					
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: None					
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.					
UN: Not Applicable		TDG Class: None		Packing Group: Not Applicable	
TDG Emergency Telephone Number: 613-996-6666 (COLLECT)					
SECTION IX ▶ PREPERATION DATA					
Prepared by: D.R. Dunlop			Last updated: March 3, 2010		
Location: Dustbane Products Limited, 25 Pickering Place, Ottawa, Ontario, K1G 5P4 – 613-745-6861					

Emerald M4

Hard Surface Cleaner and Degreaser

"An Environmental Choice Certified Product."

FEATURES AND BENEFITS

Environmentally Responsible : Emerald M4 conforms to Environmental Choice CCD-146E "Degreasers".

Buffered pH: Ensures cleaning efficiency during entire cleaning task.

Versatile: Can be mopped on or used with automatic scrubbers.

Synthetic Surfactant: Unaffected by hard water, excellent wetting, moderate foam.

Economical: Effective when diluted.

Spill-Resistant Protection: Prevents leaks, prevents accidental spillage, ensures employee safety, prevents chemical waste, enhances use of dispensing system.

WHERE TO USE

Excellent for floors, painted walls, woodwork, ceramic tile or metal.

HOW TO USE

Recommended Dilution Rates:

Degreaser	1:160
Light Duty	1:120
Regular Duty	1:40
Heavy Duty	1:20

Neutral Floor Cleaning application:

Light	1:256
Normal	1:160
Heavy Duty	1:120

Note: Adjust rates to suit your cleaning needs. Emerald M4 conforms to Environmental Choice CCD-146E "Degreasers".

Works effectively in either warm or cold water. Use cool water for most cleaning and warm water for heavy cleaning or to speed the cleaning process.

SPECIFICATIONS

Appearance: Clear green liquid

Fragrance: Unscented

Viscosity: As water

pH (conc.): 10.5

APE: None

VOC: None

Solvent: None

Phosphate: None

WHMIS: No

TDG: No

CFIA Approval: Yes