

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**PRODUCT NAME:** DM-505**DATE:** August 10, 2008**SUPPLIER:**

Melrose Chemicals Ltd.
2323-46th ave.
Lachine, QC
CANADA H8T 3C9
Tel: +1 (514) 631-2998
Fax: +1 (514) 631-2997
E-mail: prodsafe@melrosechem.com

PRODUCT USE: Degreaser**II. HAZARDS IDENTIFICATION****Hazard classification of product according to Directive 1999/45/EC:** Xn, harmful**Hazards for humans:** Irritating to eyes. May cause lung damage if swallowed.**Hazards for environment:** Not applicable.**III. COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical Identity:	Index #	EINECS #	CAS #	% Conc.	Toxicity
Solvent naphta (petroleum), heavy aromatic	649-424-00-3	265-198-5	64742-94-5	30 - 60	Xn; R65
Ingredients according to Directive 2004/648/EC					
Aromatic hydrocarbons	>30%				
Soap	5 - 15%				
Nonionic surfactants	<5%				
Anionic surfactants	<5%				
Phosphates	<5%				

IV. FIRST AID MEASURES**Contact with skin:** Wash exposed area with soap and water and rinse well.**Contact with eyes:** Flush with plenty of water. Get medical attention if irritation persists.**Inhalation:** Remove to fresh air. Obtain medical attention if irritation persists.**Ingestion:** If victim is conscious, give two glasses of water to drink. Call a physician. Do not give anything by mouth to an unconscious person.**V. FIRE FIGHTING MEASURES****Conditions of flammability:** Requires source of ignition, presence of air, and a temperature greater than the flashpoint.**Means of extinction:** Use carbon dioxide, water fog, alcohol foam, dry chemical (preferred).**Hazardous combustion products:** Combustion can produce carbon monoxide and dioxides. Exposing product to intense heat could cause drums to rupture.**Unusual fire and explosion hazards:** Vapour forms explosive mixture between upper and lower flammable limits. Vapour is heavier than air and may travel considerable distances to a source of ignition and flash back.**VI. ACCIDENTAL RELEASE MEASURES****Procedures to be followed in case of spills or leaks:** Clean up spills promptly. Surfaces can be slippery. Treat as an oil spill. For small spills, absorb on inert material (clay, sand, dirt, etc.). For large spills, contain with absorbant material and contact a disposal company. In all cases, package in a hazardous waste approved container. Observe recommended control measures.**Personal protective equipment to be used:** Protective gloves and safety glasses.**VII. HANDLING AND STORAGE****Special handling procedures and equipment:** Not applicable.**Specific storage requirements:** Do not store near excessive heat or open flame. Store in closed containers.**VIII. EXPOSURE CONTROL/PERSONAL PROTECTION**

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Respiratory Protection: Avoid prolonged or frequent contact when handling material. Avoid breathing mists or vapour. Handle only in adequately ventilated areas.

Protective Gloves: Nitrile or neoprene.

Eye Protection: Safety glasses.

Additional Protective Equipment: Overall and apron.

Ventilation: Adequate ventilation to reduce mists below permissible exposure limits recommended. Handling area may require mechanical ventilation.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint and method of determination: 85°C (C.O.C.)

Flammable limits (% in air): LOWER: 1.0 UPPER: 7.0

Auto-Ignition temp.: 460°C

Physical State: Liquid

Vapour density: 4.3 (air = 1)

Coefficient of n-octanol/water distribution: Not determined.

Odour: Solvent

Boiling Point: 80 - 177°C

Specific Gravity: 1.01

Freezing Point: Not determined.

Vapour Pressure: 3.5 mm Hg @ 38°C

pH: 10.5 - 11.2

Evaporation Rate: <0.1 (n-Butyl Acetate = 1)

Colour: Amber

Solubility in water: Dispersible

Odour threshold: Not determined.

X. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions. Hazardous polymerization will not occur.

Incompatible substances: Avoid strong oxidizing and acids.

Conditions of reactivity: Avoid contamination with reactive substances.

Hazardous decomposition products: None

XI. TOXICOLOGICAL INFORMATION

Probable route of exposure: Splashes in eyes.

Exposure Limits: LD₅₀ (Calculated) 4000 mg/kg

Effect of acute and chronic exposure to product: Irritating to eyes. Harmful: may cause lung damage if swallowed.

Irritating: No

Sensitisation to product: No

Carcinogenicity: Data not available.

Reproductive toxicity: Data not available.

Teratotoxicity: Data not available.

Mutagenicity: Data not available.

Name of toxicologically synergistic product(s): Data not available.

XII. ECOLOGICAL CONSIDERATIONS

Environmental toxicity information: Data not available.

XIII. DISPOSAL CONSIDERATIONS

For the product: EC disposal code №:

07 07 04 (other organic solvents, washing liquids and mother liquors).

For the packaging: EC disposal code №:

15 01 04 (metallic packaging). Can be recycled.

XIV. TRANSPORT INFORMATION

CARRIAGE BY ROAD (CROSSING BORDERS) ADR/RID:

ADR/RID Class: 3 F1

Hazard Identification Number: 30

UN Number: 1993

Packing group: III

Label: 3

UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Isoparaffinic Naphta)

TRANSPORT BY SEA IMDG:

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IMDG Class: 3
UN Number: 1993
Packing group: III
EMS Number: F-E, S-E
Label: 3
Marine pollutant: No
UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Isoparaffinic Naphta)

TRANSPORT BY AIR ICAO-TI and IATA-DGR:

ICAO/IATA Class: 3
UN Number: 1993
Packing group: III
Label: 3
UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Isoparaffinic Naphta)

XV. REGULATORY INFORMATION

Inventory Status: TSCA (USA), CEPA (Canada, DSL), EINECS (EU), China, TCCL (Korea, KECI), RA 6969 (Philippines, PICCS), NICNAS (Australia, AICS), IEC (Japan).

WHMIS CLASSIFICATION: Class B-3; Class D, div 2b.

Danger symbol: Xn, harmful



Risk phrases: 36 Irritating to eyes.

65 Harmful: may cause lung damage if swallowed.

Safety phrases: 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advise.

62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

XVI. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian *Controlled Products Regulations* and the MSDS contains all the information required by the Canadian *Controlled Products Regulations* and national legislation.

This Material Safety Data Sheet is in conformation with Directive 1907/2006 (REACH) and local legislation.

R-Sentences of ingredients in paragraph II:

65 Harmful: may cause lung damage if swallowed.

Replaces: M.S.D. dated: August 10, 2005

Version: 8

Changes to the MSDS in this revision: sections 1, 2, 3, 8, 15, 16

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