

MATERIAL SAFETY DATA SHEET
According to 1907/2006/EC, Article 31, Annex II. (REACH)

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I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DESHUMIDIFICANT

DATE: July 29, 2009

SUPPLIER: Melrose Chemicals Ltd.
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Lachine, QC
CANADA H8T 3C9
Tel: +1 (514) 631-2998
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PRODUCT USE: Moisture displacer and corrosion inhibitore

II. HAZARDS IDENTIFICATION

Hazard classification of product according to Directive 1999/45/EC: Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. According to EU-directive 99/45/EC not classified.

Hazards for humans: Irritating to eyes. Limited evidence of a carcinogenic effect.

Hazards for environment: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

III. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identity:	Index #	EINECS #	CAS #	% Conc.	Toxicity
Tetrachloroethylene	602-028-00-4	204-825-9	127-18-4	60 - 100	Xn, N; R40, 51/53
Kerosine, hydrodesulfurized	649-423-00-8	265-184-9	64742-81-0	10 - 30	Xn; R65
Dichloromethane	602-004-00-3	200-838-9	75-09-2	7 - 13	Xn; R40

Ingredients according to Directive 2004/648/EC

Non

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: Non-flammable aerosol as determined by the flame projection test

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 containers to rupture.

Unusual fire and explosion hazards: Aerosols may explode if heated above 50°C

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: The usual precautions for handling chemicals should be observed. Use only in well ventilated areas. Do not pierce or burn aerosols, even after use. Do not breathe aerosols or vapours. Avoid contact with skin and eyes.

Specific storage requirements: Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Keep in a cool, dry, well ventilated place

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: Rubber 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: None

Flammable limits (% in air): LOWER: Not applicable UPPER: Not applicable

Auto-Ignition temp.: Not determined.

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: 1.24

Freezing Point: -15°C

Vapour Pressure: 8 mm Hg @ 38°C

pH: Not applicable.

Evaporation Rate: Not determined.

Colour: Brown

Solubility in water: Insoluble

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: Carbon monoxide, carbon dioxide, hydrogen chloride and traces of phosgene.

XI. TOXICOLOGICAL INFORMATION

Probable route of exposure: Inhalation of vapours.

Exposure Limits: LD₅₀ (Calculated) 4000 mg/kg

Effect of acute and chronic exposure to product: Irritating to eyes. Limited evidence of a carcinogenic effect.

Irritating: No

Sensitisation to product: No

Carcinogenicity: Limited evidence of a carcinogenic effect.

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: Avoid release to the environment. Refer to special instructions/safety data sheets.

XIII. DISPOSAL CONSIDERATIONS

For the product: EC disposal code №:

16 05 04 (Gases in pressure containers (including halons) containing dangerous substances).

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:	2	5T
Hazard Identification Number:	26	
UN Number:	1950	
Packing group:	N/A	
Label:	2.2 + 6.1	

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UN proper shipping name: AEROSOLS, toxic

TRANSPORT BY SEA IMDG:

IMDG Class: 2
UN Number: 1950
Packing group: N/A
EMS Number: F-D, S-U
Stowage: Category A
Label: 2.2 + 6.1
Marine pollutant: No
UN proper shipping name: AEROSOLS, toxic

TRANSPORT BY AIR ICAO-TI and IATA-DGR:

ICAO/IATA Class: 2
UN Number: 1950
Packing group: N/A
Label: 2.2 + 6.1
UN proper shipping name: AEROSOLS, toxic

Special Clause: For North American and air shipments this product may be shipped as a consumer commodity ORM-D. Carton to be labeled ORM-D or ORM-D Air, in addition to **UN 1950, AEROSOLS.**

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: Not required

Risk phrases: 36 Irritating to eyes.

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

46 If swallowed seek medical advise 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 legislations.

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

R-Sentences of ingredients in paragraph III:

40 Limited evidence of a carcinogenic effect.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

Replaces: M.S.D. dated: July 29, 2006

Version: 8

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

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