

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**PRODUCT NAME: SUPER FOG****DATE: August 28, 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: Insecticide for flying insects**II. HAZARDS IDENTIFICATION****Hazard classification of product according to Directive 1999/45/EC:** Xn, harmful.**Hazards for humans:** May cause lung damage if swallowed.**Hazards for environment:** Product toxic to fish. Do not contaminate any body of water.**III. COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical Identity:	Index #	EINECS #	CAS #	% Conc.	Toxicity
Naphta (petroleum), heavy aliph.	649-406-00-5	265-200-4	64742-96-7	60 - 100	Xn; R65
Pyrethrin II	613-024-00-7	204-462-6	121-29-9	0.3%	Xn; R20/21/22 - N; R50/53

Ingredients according to Directive 2004/648/EC

None

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. Do not freeze.**VIII. EXPOSURE CONTROL/PERSONAL PROTECTION****Respiratory Protection:** Avoid prolonged or frequent contact when handling material. Avoid breathing mists or vapour. Handle only in adequately ventilated areas.**Protective Gloves:** Nitril or neoprene.

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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.: 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: 0.84

Freezing Point: -20°C

Vapour Pressure: 8 mm Hg @ 38°C

pH: Not applicable.

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

Colour: Yellow

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: None

XI. TOXICOLOGICAL INFORMATION

Probable route of exposure: Splashes on skin or in eyes.

Exposure Limits: LD₅₀ (Calculated) 4000 mg/kg

Effect of acute and chronic exposure to product: Irritating to eyes. 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: Product toxic to fish. Do not contaminate any body of water.

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: 6.1 T6

Hazard Identification Number: 60

UN Number: 2902

Packing group: III

Label: 6.1

UN proper shipping name: PESTICIDE, LIQUID, TOXIC, N.O.S. (Pyrethrin)

TRANSPORT BY SEA IMDG:

IMDG Class: 6.1

UN Number: 2902

Packing group: III

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EMS Number: F-A, S-A
Label: 6.1
Marine pollutant: No
UN proper shipping name: PESTICIDE, LIQUID, TOXIC, N.O.S. (Pyrethrin)

TRANSPORT BY AIR ICAO-TI and IATA-DGR:

ICAO/IATA Class: 6.1
UN Number: 2902
Packing group: III
Label: 6.1
UN proper shipping name: PESTICIDE, LIQUID, TOXIC, N.O.S. (Pyrethrin)

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 advice.

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 legislations.

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

R-Sentences of ingredients in paragraph II:

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

50/53 Very toxic to aquatic organisms and may cause long-term effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

Replaces: M.S.D. dated: August 28, 2005

Version: 8

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

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