

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY: EPOXAL THINNERS LVOC

SECTION 1 - Preparation/Product Information

Manufactured and Supplied By: Emergency Telephone No: (613) 996-6666
Niagara Protective Coatings Date Prepared: July 1, 2015
7071 Oakwood Ave. Product Use: solvent
Niagara Falls, Ontario L2E 6S5
T.D.G. Classification: 3.3 (9.2) UN Number: 1993
WHMIS: Health:2 Flammability:3 Reactivity:0 Other:0

WHMIS: B2 FLAMMABLE LIQUIDS, D2A VERY TOXIC MATERIALS,
D2B TOXIC MATERIALS

Section 2 - Hazardous Ingredients/Identity Information

HAZARDOUS COMPONENTS: CHEMICAL IDENTITY	EXPOSURE LIMITS: TLV	TOXICITY: LD50/LC50	AMOUNT: %
Acetic acid, tert-butyl ester (CAS # 540-88-5)	200 ppm	4500mg/kg 4200ppm/6h	60-100%
Xylene (CAS # 1330-20-7)	100 ppm	4300 mg/kg 6350 ppm/4h	10-30%
Benzene (71-43-2)	10 ppm - TWA ACGIM 1993-94	>5600 MG/KG (oral-rat)/ 13700 PPM/4HR	<10% PPM

SECTION 3 - Physical/Chemical Characteristics

Boiling Point: >98°C />208°F Specific Gravity:0.866
Vapour Pressure (mmhg):>5.5(38(c)) Vapour Density (air=1):4.5
Freezing Point:>-35°C / >31°F. ph:N/Av.
Evaporation Rate:>0.10 Solubility In Water:Negligible
% Solids:0%
Appearance: Colourless, mobile liquid Odour: mild hydrocarbon odour

SECTION 4 - Fire and Explosion Hazard Data

Flash Point (deg C) and Method: > 4 °C / 39 °F
Flammable Limits/% Volume in Air: LEL:1.1 UEL:7.0
Auto ignition Temperature (deg C): >500°C />932°F
Extinguishing Media: Carbon Dioxide, Water Fog, Dry Chemical, Foam
Special Fire Fighting Procedures: Flammable. Do not use water except as a fog. Exclude air. Use water spray to cool fire-exposed containers and structures. Do not enter confined fire space without adequate protective clothing and an approved positive pressure self-contained breathing apparatus.
Ignitable: YES: x NO:
Unusual Fire and Explosion Hazards: Vapours may travel to a source of ignition and flash back.

SECTION 5 - Reactivity Data

Stable: x Hazardous Polymerization: Will Not Occur

Incompatibility (Materials to Avoid): Strong oxidizing Agents

Conditions of Reactivity/Instability: Excessive heat, sparks, open flames and all ignition sources.

Hazardous Decomposition or Byproducts: Carbon monoxide and carbon dioxide are produced on combustion.

SECTION 6 - Health Hazard

Primary Routes Of Exposure:

Inhalation: Nose and throat irritant Skin Contact: Irritant

Skin Absorption: Repeated contact may cause dermatitis in sensitive individuals

Ingestion: May cause headache, nausea, vomiting and weakness

Eye Contact: Irritant

Health Hazards:

Acute: May cause eye and skin irritation, and sensitization

Chronic: None Known

SECTION 7 - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Move to fresh air. Give oxygen if breathing is difficult
Ingestion: Obtain medical attention immediately. Do not induce vomiting.
Guard against aspiration into lungs. Have individual turn on their left side. Do not give anything by mouth to a convulsing or unconscious person.
If vomiting occurs keep head below hips to prevent aspiration of liquid into the lungs. If inhaled, remove victim from further exposure and restore breathing. If required, seek medical attention.

Eyes: Flush eyes with water for at least 15 minutes

Skin: Wash with mild soap and water

SECTION 8 - Control Measures

Respiratory Protection: Use NIOSH approved respirator for organic vapours.

Ventilation: Local and mechanical exhaust are recommended to minimize exposure

Protective Gloves: Impervious gloves should be worn when handling this material

Eye Protection: Splash proof chemical goggles

Other Protective Clothing/Material/Equipment: Barrier Cream

Work/Hygienic Practices: Wash thoroughly after handling

Engineering Controls:

General: Highly recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion-proof.

Local: Also recommended where mechanical ventilation is ineffective in controlling airborne concentrations below the recommended occupational exposure limit. For personal entry into confined spaces (ie. bulk storage tanks) a proper confined space entry procedure must be followed including ventilation and testing of tank atmosphere. Make-up air should always be supplied to balance air exhausted (either generally or locally).

Additional Information: Biodegradable. Rapid volatilization.

SECTION 9 - Precautions for Safe Handling and Use

Waste Disposal Method: In accordance with all Federal, Provincial, State and Local regulations. Waste management priorities (depending on volumes and concentration of waste) are: 1. Recycle (reprocess), 2. Energy Recovery (cement kilns, thermal power generation), 3. Incineration, 4. Disposal at a licensed waste disposal facility. Do not attempt to combust waste on-site. Incinerate at a licensed waste disposal site with approval of environmental authority.

Handling Procedures and Equipment:

Eliminate all ignition sources. Avoid contact with eyes, skin, and clothing.

Avoid breathing vapours. Keep away from heat, sparks, and open flame.

Vapours may accumulate and travel to distant ignition sources and flashback.

Empty containers are hazardous, may contain flammable/explosive liquid residue or vapours. Fixed equipment as well as transfer containers and

equipment should be grounded to prevent accumulation of static charge. Wash

contaminated clothing before re-use. Maintain a good personal hygiene.

Avoid breathing vapours.

Storage Needs: Store in a cool, dry, well ventilated area, away from heat and ignition sources.

Spill and Leak Procedure:

Issue warning "flammable". Eliminate all sources of ignition. Isolate hazard area and restrict access. Try to work up wind of spill. Avoid direct contact with material. Wear appropriate breathing apparatus (if applicable) and protective clothing. Stop leak only if safe to do so. Dike and contain land spills; contain water spills by booming. For large spills remove by mechanical means and place in containers. Absorb residue or small spills with absorbent material and remove to non-leaking containers for disposal. Recommended materials; clay or sand. Flush area with water to remove trace residue.

Other Precautions: Avoid contact with eyes, skin or clothing.
Avoid breathing vapour, mist or spray

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