

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: URETHANE CONCRETE SEALER & FINISH
Product Use: Concrete Floor Sealer
WHMIS Class: Class D – Divisions 2A & 2B
Class B - Division 3: Combustible Liquid
TDG Classification: Combustible Liquid
Manufacturer/Supplier: Kemsol Products Ltd.
Address: PO Box 1577
Regina, SK S4P 3C4
Telephone: (306) 569-0636

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	B

SECTION II – HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Urethane	51-79-6	15 - 40	Not available	Not available	2500 mg/kg oral, rat
Stoddard solvent	8052-41-3	10 - 30	100 ppm TWA	>5500 mg/m ³ 4 h, rat	>5000 mg/kg oral, rat
Distillates (petroleum), light hydrotreated	64742-47-8	15 - 40	5 mg/m ³ TWA	>2500 ppm 4 h, rat	>5000 mg/kg oral, rat
Naphthenic acids, lead salt	61790-14-5	0.1 - 1	Not available	Not available	3700 mg/kg oral, rat
Naphthenic acids, cobalt salts	61789-51-3	0.1 - 1	0.02 mg/m ³ TWA	Not available	3900 mg/kg oral, rat

SECTION III - PHYSICAL DATA

Boiling Point (°C): 165
Vapour Pressure (mm Hg): Not available
Vapour Density (Air = 1): >1
Solubility in Water: Insoluble
Physical State: Liquid
Appearance; Odour: Clear amber; strong hydrocarbon

Specific Gravity (H₂O = 1): 0.90
% Volatile (Wt %): 58
Evaporation Rate (Ether = 1): <1
pH (100%): Not available
Viscosity: Slightly viscous
Odour Threshold (ppm): Not available

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Combustible liquid by WHMIS criteria.
Flash Point (°C, TCC): 50 **LEL:** 0.7 (Stoddard solvent) **UEL:** 6.0 (Stoddard solvent)
Hazardous Combustion Products: May include and are not limited to oxides of carbon, oxides of lead.
Autoignition Temperature (°C): Not available
Means of Extinction: Dry chemical, foam, alcohol foam, carbon dioxide, water mist or fog.
Special Fire Hazards: Firefighters should wear self-contained breathing apparatus. Vapour may accumulate in low areas.

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability: Stable.
Incompatible Materials: Acids, oxidizers, caustics.
Reactivity, and Under What Conditions: Not available.
Hazardous Decomposition Products: May include and are not limited to oxides of carbon, oxides of lead when heated to decomposition.

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

EFFECTS OF ACUTE EXPOSURE:

Eye: May cause irritation.

Skin: May cause irritation. Components of this product may be absorbed through the skin.

Inhalation (vapour): Harmful. May cause respiratory tract irritation and central nervous system effects (headache, dizziness). May cause an asthma-like allergy. Future exposures can cause asthma attacks with shortness of breath, wheezing, cough, and/or chest tightness.

Ingestion: Harmful. May cause stomach distress, nausea or vomiting.

EFFECTS OF CHRONIC EXPOSURE: Long-term occupational exposure to low levels of inorganic lead has resulted in significant health effects.

Skin: Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Irritancy: Hazardous by WHMIS criteria.

Respiratory Tract Sensitization: Hazardous by WHMIS criteria contains a potential respiratory sensitizer (Cobalt Naphthenate).

Carcinogenicity: Hazardous by WHMIS criteria (contains urethane, lead salts, cobalt salts).

Teratogenicity, Mutagenicity, Reproductive Effects: Hazardous by WHMIS criteria for all effects (contains lead salts).

Synergistic Materials: Not available.

SECTION VII- PREVENTATIVE MEASURES

Gloves: Rubber gloves. Confirm with a reputable supplier first.

Eye Protection: Chemical splash goggles recommended.

Respiratory Protection: Use only under good ventilation conditions or with respiratory protection.

Other Protective Equipment: As required by employer code.

Engineering Controls: Local exhaust recommended.

Leak and Spill Procedure: Before attempting clean up, refer to hazard data given above. Remove sources of ignition. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

Waste Disposal: Review federal, provincial, and local government requirements prior to disposal.

Storage and Handling Requirements: Keep out of reach of children. Store in a closed container away from incompatible materials. Keep away from heat, open flames or other sources of ignition.

SECTION VIII - FIRST AID

Eye: Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Skin: Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion: Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

SECTION IX - PREPARATION INFORMATION

Date: 06/01/09
Telephone: (306) 569-0636

MSDS Prepared by: Kemsol Products Ltd.

Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-905-572-4400) or CSST in Montreal, Quebec (514-873-3990).