



## Safety Data Sheet

# Kemsol Urethane Concrete Sealer & Finish

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Kemsol Urethane Concrete Sealer & Finish
<b>Recommended Use</b>	Concrete Floor Sealer.
<b>Manufacturer/Supplier Identifier</b>	Kemsol Product Ltd., 1120 McDonald St., Regina, SK, S4N 4X3, 306-569-0636, www.kemsol.com
<b>Emergency Phone No.</b>	Canutec, (613) 996-6666, Collect calls accepted or dial 666 on your cellular
<b>SDS No.</b>	1

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

#### Classification

Flammable liquid - Category 3; Acute toxicity (Oral) - Category 5; Skin irritation - Category 2; Eye irritation - Category 2B; Respiratory sensitization - Category 1B; Carcinogenicity - Category 2

#### Label Elements



#### Danger

Flammable liquid and vapour.

Combustible liquid.

Causes skin and eye irritation.

Suspected of causing cancer.

Wear respiratory protection.

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Call a POISON CENTRE or doctor if you feel unwell.

Dispose of contents and container in accordance with local, regional, national and international regulations.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Urethane	51-79-6	15-40	
Hydrotreated kerosene	64742-47-8	15-40	
Stoddard solvent	8052-41-3	10-30	
NAPHTHENIC ACIDS, LEAD SALTS	61790-14-5	0.1-1	
Naphthenic acid, cobalt salt	61789-51-3	0.1-1	

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## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing.

#### Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.

#### Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Ingestion

Rinse mouth with water. Drink 1 or 2 glasses of water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

#### First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

### Most Important Symptoms and Effects, Acute and Delayed

Review Section 11 (Toxicological) of this Safety Data Sheet.

### Immediate Medical Attention and Special Treatment

#### Special Instructions

Treat Symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

### Specific Hazards Arising from the Product

See Section 9 (Physical and Chemical Properties) for flash point and explosive limits.

### Special Protective Equipment and Precautions for Fire-fighters

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Large spills or leaks: dike spilled product to prevent runoff. Review Section 13 (Disposal Considerations) of this safety data sheet.

### Other Information

Report spills to local health, safety and environmental authorities, as required.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Only use where there is adequate ventilation. Avoid ignition sources. Prevent accidental contact with incompatible

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chemicals. Wear personal protective equipment to avoid direct contact with this chemical. Keep containers tightly closed when not in use or empty.

#### Conditions for Safe Storage

Separate from incompatible materials (see Section 10: Stability and Reactivity). Store in the original, labelled, shipping container. Comply with all applicable health and safety regulations, fire and building codes.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Urethane	Not established		Not established			
Stoddard solvent	100 ppm		100 ppm			
Hydrotreated kerosene	200 mg/m <sup>3</sup>		Not established			
NAPHTHENIC ACIDS, LEAD SALTS	Not established			Not established		
Naphthenic acid, cobalt salt	Not established		Not established			

### Appropriate Engineering Controls

For large scale use of this product: use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

Wear a NIOSH approved particulate respirator equipped with an N95, R95, or P95 filter.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Clear amber liquid.
Odour	Aromatic
pH	6.0
Initial Boiling Point/Range	165 °C
Flash Point	50 °C (closed cup)
Evaporation Rate	< 1 (diethyl ether = 1)
Flammability (solid, gas)	Not applicable (liquid).
Upper/Lower Flammability or Explosive Limit	6.0% (upper); 0.7% (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	> 1
Relative Density (water = 1)	0.90
Solubility	Insoluble in water
Auto-ignition Temperature	Not available

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**SECTION 10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions of use.

**Chemical Stability**

Normally stable.

**Possibility of Hazardous Reactions**

None expected under normal conditions of storage and use.

**Conditions to Avoid**

Freezing. Incompatible materials.

**Incompatible Materials**

Strong acids (e.g. hydrochloric acid), strong oxidizing agents (e.g. perchloric acid). Caustics.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information presented below is for the entire product, unless otherwise specified.

**Likely Routes of Exposure**

Inhalation; skin contact; skin absorption; eye contact; ingestion.

**Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Urethane		1809 mg/kg (rat)	
Stoddard solvent	> 1300 ppm (rat) (4-hour exposure)	> 5000 mg/kg (rat)	
Hydrotreated kerosene		Not available	
NAPHTHENIC ACIDS, LEAD SALTS		5100 mg/kg (rat)	
Naphthenic acid, cobalt salt		3900 mg/kg (rat)	

**Skin Corrosion/Irritation**

Human experience shows mild irritation.

**Serious Eye Damage/Irritation**

Human experience shows mild irritation.

**STOT (Specific Target Organ Toxicity) - Single Exposure****Inhalation**

A single exposure to a high concentration can cause a long-lasting condition like asthma. If this occurs, many things like other chemicals or cold temperatures can easily irritate the airways. Symptoms may include shortness of breath, tightness in the chest and wheezing.

**Skin Absorption**

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

**Ingestion**

May cause irritation of the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

Effects similar to STOT (Specific Target Organ Toxicity) - Single Exposure, as described above.

**Respiratory and/or Skin Sensitization**

Contains a potential respiratory sensitizer. (NAPHTHENIC ACIDS, LEAD SALTS) not a skin sensitizer.

## Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Urethane	Group 2A	Not designated	Reasonably anticipated	Not Listed
Stoddard solvent	Group 3	Not designated	Not Listed	Not Listed
Hydrotreated kerosene	Group 3	A3	Not Listed	Not Listed
NAPHTHENIC ACIDS, LEAD SALTS	Group 2A	Not designated	Reasonably anticipated	Not Listed
Naphthenic acid, cobalt salt	Group 2B	Not designated	Not Listed	Not Listed

### Key to Abbreviations

Group 2A = Probably carcinogenic to humans. Group 2B = Possibly carcinogenic to humans. Group 3 = Not classifiable as to its carcinogenicity to humans. A3 = Animal carcinogen.

No information was located for: Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

## SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

### Ecotoxicity

No data is available on the product itself. It is good practice to prevent releases into the environment.

### Persistence and Degradability

No information was located.

### Bioaccumulative Potential

No information was located.

### Mobility in Soil

No information was located.

### Other Adverse Effects

There is no information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1993	Cobalt Naphthenates Powder (Naphthenic acid, cobalt salt)	3	III

**Environmental Hazards** Environmentally Hazardous Substance (Naphthenic acid, cobalt salt)

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

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## Safety, Health and Environmental Regulations

### Canada

#### WHMIS 1988 Classification

B3 - Combustible Liquid; D2A - Very Toxic (Carcinogenicity); D2B - Toxic (Skin irritant; Eye irritant)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

#### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

#### CEPA - National Pollutant Release Inventory (NPRI)

(Hydrotreated kerosene) Part 5. (Stoddard solvent) Part 5. (NAPHTHENIC ACIDS, LEAD SALTS) Part 1B.

### USA

#### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

<b>NFPA Rating</b>	<b>Health - 2</b>	<b>Flammability - 2</b>	<b>Instability - 0</b>
<b>SDS Prepared By</b>	Kemsol Products Ltd.		
<b>Phone No.</b>	1-800-667-8113		
<b>Date of Preparation</b>	June 28, 2016		
<b>Key to Abbreviations</b>	ACGIH® = American Conference of Governmental Industrial Hygienists AIHA® = AIHA® Guideline Foundation. HSDB® = Hazardous Substances Data Bank IARC = International Agency for Research on Cancer NFPA = National Fire Prevention Association NIOSH = National Institute for Occupational Safety and Health NTP = National Toxicology Program OSHA = US Occupational Safety and Health Administration RTECS® = Registry of Toxic Effects of Chemical Substances		
<b>References</b>	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).		
<b>Disclaimer</b>	Information for this SDS was obtained from sources considered technically accurate and reliable. While every effort has been made to insure 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 GHS/WHMIS 2015. 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.		

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