

# SAFETY DATA SHEET

Issue Date 22-Apr-2005

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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

Product Name URETHANE SEAL

**Other Means of Identification**

SDS # K198

Product Code K198

**Recommended Use of the Chemical and Restrictions on Use**

Recommended Use

CONCRETE SEALER

**Details of the Supplier of the Safety Data Sheet****Supplier Address**KAYLINE COMPANY  
PO BOX 603207  
CLEVELAND, OH 44103**Emergency Telephone Number**Company Phone Number 216-566-9858  
Emergency Telephone 800-535-5053

## 2. HAZARDS IDENTIFICATION

**Classification**

Skin Sensitization: Category 1

Toxic to Reproduction: Category 1B

Specific Target Organ Toxicity- Repeated Exposure: Category 1

Flammable Liquid: Category 3

**Signal Word**

DANGER

**Symbols**

Physical State: Liquid

Color: Amber

**OSHA/HCS status:** This material is considered hazardous by the OSHA Hazard Communication Standard(29 CFR 1910.1200).**Hazard Statements**

**FLAMMABLE LIQUID AND VAPOR.  
CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
MAY DAMAGE FERTILITY OR THE UNBORN CHILD.**

#### **Precautionary Statements-Prevention**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use personal protective equipment as required.  
Contaminated work clothing must not be allowed out of the workplace.  
Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Do not breathe mist, vapors, spray.  
Do not eat, drink or smoke when using this product.  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Keep container tightly closed.  
Ground/Bond container and receiving equipment.  
Use explosion –proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.

#### **Precautionary Statements – Response**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If exposed or concerned: Call a poison center or doctor.  
Get medical advice/attention if you feel unwell.  
In case of fire: Use CO<sub>2</sub>, chemical, or dry foam to extinguish.

#### **Precautionary Statements – Storage**

Store locked up. Store in a well ventilated place. Keep cool.

#### **Precautionary Statements – Disposal**

Dispose of contents/container to an approved waste disposal plant.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>CAS No</b>	<b>Weight-%</b>
SOLVENT	556-67-2	10-15
HYDROCARBON SOLVENT	64742-47-8	5-10
OIL MODIFIED POLYURETHANE	N/A	70-75

### **4. FIRST AID MEASURES**

#### **First Aid Measures**

<b>Inhalation</b>	May be irritating to mucous membranes in nose, throat, and lungs. Choking, coughing, headache may occur. Move exposed person to fresh air. Seek medical attention immediately.
<b>Eye Contact</b>	Check for and remove any contact lenses. Immediately flush eyes thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Get medical attention immediately.
<b>Ingestion</b>	Clean mouth with water. Do not induce vomiting or give anything by mouth to an unconscious

person. Seek medical attention immediately.

**Skin Contact**

In case of contact with skin, immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Seek medical attention if irritation develops and persists.

**Most Important Symptoms and Effects, both Acute and Delayed**

**Symptoms**

Direct contact with eyes may cause irritation. May cause irritation to the mucous membranes and upper respiratory tract. Choking, coughing and headache may occur. May cause irritation to the digestive tract. Vomiting and diarrhea expected with large doses.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst. Runoff to sewer may create fire or explosion hazard.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

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

**Personal Precautions**

Remove all sources of ignition. Use personal protective equipment as required. Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**

Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Avoid breathing vapors or mist. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse. Wash hands before breaks and immediately after handling the product. Ensure adequate ventilation. Remove all sources of ignition.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions**

Keep away from heat, sparks and open flame. Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

Incompatible Materials None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrocarbon Solvent	212 ppm 1200 mg/m <sup>3</sup> , 8h	-	-

Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures:** If this product contains ingredients with exposure limits, personal, workplace atmosphere or other biological monitoring may be require to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Appropriate Engineering Controls:** Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and the using the bathroom and at the end of the working periods.

### Individual Protection Measures, such as Personal Protective Equipment

<b>Eye/Face Protection</b>	Avoid contact with eyes. Wear safety eyewear.
<b>Skin and Body Protection</b>	Wear suitable protective clothing. Use impervious gloves.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Characteristic
<b>Appearance</b>	Amber Liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Amber		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	212 Deg F	
Flash Point	>104	

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Evaporation Rate	(H <sub>2</sub> O = 1) <1	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	20@68f	
Vapor Density	Not determined	
Specific Gravity	.916	
Water Solubility	Insolublein water	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not an explosive	
Oxidizing Properties	Not determined	
VOC Content	<350 g/L	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

**Hazardous Polymerization**      Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children. Avoid all possible sources of ignition (spark or flame).

### Incompatible Materials

Strong oxidizers

### Hazardous Decomposition Products

None known.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

**Inhalation**      Avoid breathing vapors or mists.

**Eye Contact**      Avoid contact with eyes.

**Skin Contact**      Avoid contact with skin.

**Ingestion**      Do not taste or swallow.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Oil Modified Polyurethane	3255 mg/kg	4241 mg/kg	5955 mg/L
Solvent	4868 mg/kg	2408 mg/kg	-
Hydrocarbon Solvent	5238 mg/kg	3163 mg/kg	-

Unknown Acute Toxicity: 35% of the mixture consists of ingredients of unknown toxicity.

### Information on Physical, Chemical and Toxicological Effects

**Symptoms**      Please see section 4 of this SDS for symptoms.

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Carcinogenicity**      This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Numerical Measures of Toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Solvent	-	Oncorhynchus mykiss 96h 0.022 mg/l	-	Daphnia Magna 48h 0.015 mg/l

### Persistence and Degradability

Not determined.

### Bioaccumulation

Not determined.

### Other Adverse Effects

Not determined.

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated for ground transportation.

**IATA** Not available

**IMDG** Not available.

**IDG** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

Not Determined

#### Legend:

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

US Federal RegulationsSARA 313

No products were found.

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %

US State RegulationsU.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Nonane	X	X	X

**16. OTHER INFORMATION**NFPA**Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

HMIS**Health Hazards**

Not determined

**Flammability**

Not determined

**Physical Hazards**

Not determined

**Personal Protection**

Not determined

**Issue Date**

22-Apr-2005

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1-January-2016

**Revision Note**

New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**