

**1 Identification**

**GHS Product Identifier**

Ultra-Flex Cold Weather Catalyst

**Other means of identification**

DBTL

**Recommended use of the chemical and restriction on use**

Urethane Catalyst

**Supplier's details**

Lava-Liner, Ltd.  
 1550 G Tiburon Blvd. Suite 418  
 Tiburon, CA 94920  
 Ph. 415-829-9114 Fax: 415-829-9203  
 www.lava-liner.com

**Emergency phone number**

Chemtrec 800-424-9300

**2 Hazard(s) identification**

**Classification of the substance or mixture**

Health	Physical
Acute Toxicity Category 4 (Oral) Skin Corrosive Category 1C Skin Sensitizer Category 1 Specific Target Organ Toxicity – Single exposure Category 1 (Thymus) Specific Target Organ Toxicity – Single exposure Category 3 (Narcotic effects) Specific Target Organ Toxicity – Repeat exposure Category 1 (Thymus, Liver, lungs) Aspiration Hazard Category 1 Reproductive Toxicity Category 1B Germ Cell Mutagenicity Category 2	Flammable Liquid Category 3

**GHS label elements**

Danger



Flammable liquid and vapour

Harmful if swallowed or in contact with skin

May be fatal if swallowed and enters airways

Causes severe skin burns and eye damage

May cause an allergic skin reaction

May cause drowsiness or dizziness

May damage the unborn child. Suspected of damaging fertility.

Causes Damage to the thymus, lungs and liver through repeated exposure.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Use non-sparking tools.

Take action to prevent static discharges.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash exposed skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

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

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

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

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

In case of fire: Use dry chemical, foam, carbon dioxide (CO<sub>2</sub>), or water spray to extinguish.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/container to approved landfill in accordance with local and national regulations.

### 3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Petroleum Distillates, Stoddard Solvent (CAS 8052-4164742-47-8-3			50 - 95	
Dibutyltin Dilaurate	77-58-7		5 - 50	

### 4 First-aid measures

#### Description of necessary first-aid measures

**Inhalation:** Immediate remove victim to fresh air. If breathing is difficult, have qualified personnel administer oxygen. If breathing has stopped, administer CPR. Get immediate medical attention.

**Skin:** Wash skin thoroughly with soap and water after handling. Get medical attention if irritation or rash develop. Remove and launder contaminated clothing before reuse.

**Eye:** Immediately flush victim's eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Remove contact lenses if present after the first 5 minutes and continue flushing. Get immediate medical attention.

**Ingestion:** DO NOT induce vomiting. If the victim is conscious and alert, rinse the mouth with a small amount of water. Get immediate medical attention by calling a poison center or hospital emergency department.

### **Most important symptoms/effects, acute and delayed**

Causes severe eye and skin irritation with possible damage. Ingested material may be aspirated to the lungs. May cause allergic skin reaction. Inhalation of vapors may cause abdominal pain and nervous system effects including dizziness, drowsiness, nausea, vomiting, visual disturbances and unconsciousness. May be absorbed through skin with symptoms similar to inhalation. May damage fertility or the unborn child. Suspected of causing genetic defects.

### **Indication of immediate medical attention and special treatment needed, if necessary**

Immediate medical attention is required for eye contact, ingestion, and allergic skin reactions.

## **5 Fire-fighting measures**

### **Suitable extinguishing media**

For large fires: Use carbon dioxide or dry chemical. For small fires: Use carbon dioxide, dry chemical, water spray, or foam. Do not use solid water stream.

### **Specific hazards arising from the chemical**

Flammable liquid and vapor. Vapors are heavier than air and will travel along surfaces to remove ignition sources and flash back. Vapors will collect in low areas. Vapors may be ignited by static sparks. Flames may be invisible in daylight. Burning may produce carbon monoxide and unidentified organic compounds.

### **Special protective actions for fire-fighters**

Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Do not breathe combustion products. Do not release water from firefighting to sewers or waterways.

## **6 Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

Wear appropriate protective equipment. Eliminate all ignition sources and ventilate the area with explosion-proof equipment. Prevent entry into basements or confined areas.

### **Methods and materials for containment and cleaning up**

Stop spill at the source if it is safe to do so. Absorb with an inert material. Use non-sparking tools and equipment. Collect into a suitable container for disposal. Prevent spill from entering sewers and water courses. Report releases as required by local, state and federal authorities.

## **7 Handling and storage**

### **Precautions for safe handling**

Avoid contact with the eyes, skin and clothing. Do not breathe aerosols and vapors. Do not eat, drink or smoke when using this product. Wear protective clothing and equipment as described in Section 8. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Remove contaminated clothing and launder before re-use. Keep containers closed when not in use. Keep away from excessive heat, flames and other sources of ignition.

### **Conditions for safe storage, including any incompatibilities**

Do not reuse containers. Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers. Do not cut, drill, weld, braze, etc. on or near containers, even empty containers. Residue inside containers may ignite explosively leading to injury or death.

## **8 Exposure controls/personal protection**

## Control parameters

Component	Exposure Limit
Petroleum Distillates	500 ppm TWA OSHA PEL 100 ppm TWA ACGIH TLV
Dibutyltin Dilaurate (As Tin Organic Compounds)	0.1 mg/m <sup>3</sup> TWA OSHA PEL 0.1 mg/m <sup>3</sup> TWA, 0.2 mg/m <sup>3</sup> STEL ACGIH TLV (Skin)

## Appropriate engineering controls

Use with adequate ventilation to maintain exposure levels below the occupational exposure limits.

## Individual protection measures

**Respiratory Protection:** In operations where exposure limits are exceeded or exposure levels are unknown, a NIOSH or other authority approved supplied air respirator appropriate for the form and concentration of the contaminants should be used. Air-purifying respirators may be used under some conditions with a cartridge change schedule that is based on the expected airborne exposure levels. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 or other applicable regulations and good industrial hygiene practice.

**Skin Protection:** Wear impervious gloves such as butyl rubber or nitrile rubber to avoid skin contact. Contact your glove supplier for specific recommendations. Wear protective clothing as needed to avoid skin contact and prevent contamination of personal clothing.

**Eye Protection:** Chemical safety goggles recommended.

**Other protective equipment or clothing:** Wear protective clothing as needed to avoid skin contact and prevent contamination of personal clothing.

## 9 Physical and chemical properties

### Physical and chemical properties

**APPEARANCE:** Colorless liquid

**ODOR:** Light paraffinic hydrocarbon

**ODOR THRESHOLD:** Not determined

**pH:** Not determined

**MELTING / FREEZING POINT:** -65 to -25°C (-85 to -13°F)

**BOILING POINT / RANGE:** 82°C (180°F)

**FLASH POINT:** 42°C (107°F) CC Tagliabue

**EVAPORATION RATE (N-Butyl Acetate =1):** 0.20

**FLAMMABILITY (Gas, Solid):** Flammable liquid

**FLAMMABILITY LIMITS: LEL:** 0.6% **UEL:** 6.0%

**VAPOR PRESSURE:** 2.6 mmHg at 20°C

**VAPOR DENSITY: (Air = 1)** Not determined

**RELATIVE DENSITY:** 0.78

**SOLUBILITY IN WATER:** Slightly soluble in cold water

**OCTANOL/WATER COEFFICIENT:** Not determined

**AUTOIGNITION TEMPERATURE:** 203°C (466°F)

**DECOMPOSITION TEMPERATURE:** Not determined

**VISCOSITY:** Not determined

## 10 Stability and reactivity

### Reactivity

This material is not reactive under normal conditions.

### Chemical stability

Stable under recommended storage and handling conditions.

### Possibility of hazardous reactions

May react with concentrated nitric and sulfuric acids, strong oxidizers, aldehydes, and halogen compounds.

### Conditions to avoid

Avoid heat, sparks, flames, and all other sources of ignition.

### Incompatible materials

Concentrated nitric and sulfuric acids, strong oxidizers, aldehydes, and halogen compounds.

### Hazardous decomposition products

May produce carbon monoxide and unidentified organic compounds.

## 11 Toxicological information

### Toxicological (health) effects

**Ingestion:** Harmful if swallowed. May cause gastrointestinal effects including abdominal pain, nausea and diarrhea. Ingested material may be aspirated to the lungs and may be fatal.

**Inhalation:** May cause respiratory tract irritation and central nervous system effects. Exposure to high concentrations has a narcotic effect, producing symptoms such as dizziness, drowsiness, headache, and unconsciousness. May cause lung damage.

**Eye Contact:** Causes severe eye irritation with possible corneal injury.

**Skin Contact:** May cause severe skin irritation with possible damage. May cause allergic skin reaction (rash, itching and swelling). May be absorbed through skin with symptoms similar to inhalation. Repeated skin contact can produce defatting of the skin causing dermatitis.

### Symptoms related to the physical, chemical and toxicological characteristics

Repeated skin contact may cause sensitization with allergic reaction. Symptoms can occur immediately following exposures or can be delayed for several hours. Repeated or prolonged contact may cause damage to lungs, liver, kidneys, and thymus. May damage the unborn child: Characteristic syndrome of oropharyngeal malformations. Suspected of causing genetic defects.

### Numerical measures of toxicity (such as acute toxicity estimates)

Product calculated ATE – GHS method: LD50: Rat oral 350 mg/kg

Stoddard Solvent:

LD50: Rat oral 34,600mg/kg; LD50: Rabbit skin 15,400 mg/kg; LC50: Rat Inhalation 21,400 mg/m<sup>3</sup>/4 hr

Dibutyltin Dilaurate:

LD50: Rat oral 175 mg/kg

### Other information

**Carcinogenicity Listing:** None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.

## 12 Ecological information

### Toxicity

No data available for product.

Dibutyltin Dilaurate: LC50: Golden orphe 2/mg/L/ 96; EC50: Daphnia magna 0.660 mg/L/48 h

### Persistence and degradability

No data available for product.

Dibutyltin Dilaurate: The final degradation products of organotin are believed to consist of inorganic salts.

### **Bioaccumulative potential**

No data available for product.

Dibutyltin Dilaurate: Bioconcentration in aquatic organisms is low

### **Mobility in soil**

No data available for product.

Dibutyltin Dilaurate: expected to have limited mobility in soil

### **Other adverse effects**

Toxic to aquatic life with long lasting effects.

## **13 Disposal considerations**

### **Disposal methods**

Dispose in accordance with local, state and federal environmental regulations.

## **14 Transport information**

### **UN Number**

1268

### **UN Proper Shipping Name**

Petroleum Distillates, n.o.s.

### **Transport hazard class(es)**

Less than 5 gallons: Consumer Commodity (ORM-D)

5 gallons or more: Flammable Liquid, 3

### **Packing group, if applicable**

Less than 5 gallons - ORMD

5 gallons or more: III

### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Transported by highway or rail:

Non-bulk packaging (Less than or equal to 119 gallons) Not regulated.

Transported by air:

Bulk or Non-bulk packaging: UN 1268 Petroleum distillates, n.o.s. 3, III

Transported by marine vessel: UN 1268 Petroleum distillates, n.o.s. 3, III Marine Pollutant

## **15 Regulatory information**

### **Safety, health and environmental regulations specific for the product in question**

**CERCLA/SUPERFUND:** Spills of petroleum products are required to be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**SARA HAZARD CATEGORY (311/312):** Acute Health, Chronic Health, Fire Hazard

**SARA 313 INFORMATION:** This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

**EPA TSCA INVENTORY:** All of the ingredients in this product are listed on the EPA TSCA Inventory.

**CALIFORNIA PROPOSITION 65**

This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity: None

## 16 Other information

### Other information

**NFPA RATING:** Health = 3 Fire = 2 Instability = 0

**HMIS RATING:** Health = 3\* Fire = 2 Physical Hazard = 0

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. If the product is used as a component in another product other than that provided by Lava-Liner, Ltd. this SDS information may not be applicable. This SDS has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).