

# Material Safety Data Sheet

Emergency Phone: (248)-373-8100 24-Hour CHEMTREC (800)-424-9300 CHEMTREC, D.C. Area (800)-483-7616

## I. Chemical Product And Company Data

**PRODUCT:** ISO-FLEX SUREPLUG (Bedding Sealant)  
**CHEMICALFAMILY:** Polyurethane  
**REVISION DATE:** Aug 2010  
**MANUFACTURER:** LymTal International, Inc.  
4150 S. Lapeer Rd. Orion, MI 48359

Health	1
Flammability	0
Reactivity	0
Personal Protection	X

## II. Composition / Information On Ingredients

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Where a proprietary ingredient is shown, the identity may be made available as provided in this standard. All components of this product are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

HAZARDOUS INGREDIENTS	CAS NO	% wt/wt
Toluene Diisocyanate	26471-62-5	<0.1 %

## III. Hazards Identification

**EMERGENCY OVERVIEW:** May cause allergic respiratory reaction. Harmful if inhaled. Respiratory sensitizer. Lung damage and respiratory sensitization may be permanent. Causes skin irritation. May cause allergic skin reaction. Skin sensitizer. Causes eye irritation.

### POTENTIAL HEALTH EFFECTS

#### Eyes:

May causes irritation with symptoms of reddening, tearing, stinging, and swelling. May cause temporary corneal injury. Vapor may cause irritation with symptoms of burning and tearing.

Chronic Eyes: Prolonged vapor contact with eyes may cause conjunctivitis.

#### SKIN:

Acute Skin: May cause irritation with symptoms of reddening, itching, and swelling. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling and rash. Cured material is difficult to remove.

Chronic Skin: Prolonged contact can cause reddening, swelling, rash, and in some cases, skin sensitization.

**INGESTION:** Causes irritation. Swelling of this product in airway could cause suffocation. Ingestion of this product is harmful and maybe fatal.

**INHALATION:** Harmful if inhaled. Respiratory sensitizer. Lung damage and respiratory sensitization may be permanent.

## IV. First Aid Measures

<u>Inhalation</u>	Unlikely route. Asthmatic symptoms may develop and may be immediate or delayed up to several hours. Extreme asthmatic reactions can be life threatening.
<u>Eyes</u>	Flush eyes with cold water for a minimum of 15 minutes, lifting lower and upper eye lids throughout. Seek immediate medical attention.
<u>Skin</u>	Remove contaminated clothing. Blot or brush the product away, prior to washing the exposed area with water. For sever exposures, to liquid product immediately get under safety shower and begin rinsing. Get medical attention if irritation develops. The cured product on the skin is rarely a cause of irritation (If it does, seek medical attention). The process of trying to remove the cured product may cause irritation.
<u>Ingestion</u>	Do not induce vomiting; get immediate medical attention, if vomiting occurs spontaneously keep head below hips to prevent aspiration of liquids into lungs. Do not give anything by mouth to an unconscious person

## V. Fire Fighting Methods

FLASH POINT : > 130°C (>266°F) AUTO-IGNITION TEMEPRTATURE: >450°C

EXTINGUISHING MEDIA:

Dry Chemical, CO<sub>2</sub>, Foam or Water Fog

SPECIAL FIRE FIGHTING PROCEDURES:

Do not scatter material with high pressure water streams. Firefighters should wear NFPA compliant firefighting protective equipment, including self-contained breathing apparatus. During a fire, isocyanate vapors and other irritating and/or toxic gases may be generated.

HAZARDOUS DECOMPOSITION PRODUCTS:

Fire or intense heat will decompose the product into CO<sub>2</sub>, CO, Hydrogen Cyanide, Oxides of Nitrogen, Isocyanates, Isocyanic Acid, and dense black smoke.

## VI. Accidental Release Measures

ACCIDENTAL RELEASE MEASURES:

Personal precautions: Ensure adequate ventilation if working in confined spaces. Avoid contact with eyes and wear protective clothing. Caution: spillages may be slippery.

Environmental precautions: Prevent material from entering sewage system, water courses or water treatment installations.

CLEAN-UP PROCEDURES:

Spread sand or industrial absorbent over spillage and transfer into labeled containers for disposal. See section 13 for disposal considerations. Spilled material will polymerize under atmospheric moisture.

## VII. Handling And Storage

HANDLING: Never spray the product; do not drink, eat or smoke during handling.

STORAGE: Keep containers dry and closed.

Store in original containers. Storage temperature 5 - 25 °C ( 41°F-77°F)

## VIII. Exposure Controls / Personal Protection

**RESPIRATORY PROTECTION:** Normal conditions of ventilation are usually adequate. Wear a fine particle mask or respirator, or use local exhaust ventilation as necessary when using in confined areas with inadequate ventilation.

**HAND PROTECTION:** Use protective gloves. Suitable types are pvc or neoprene. If in doubt seek advice from a reputable manufacturer. Barrier creams help to protect exposed areas but are no substitute for full physical protection. They should not be applied once exposure has occurred.

**SKIN PROTECTION:** Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water.

## IX. Physical And Chemical Properties

**APPEARANCE:** Gray paste  
**ODOR:** Sweet  
**ODOR THRESHOLD:** Not available  
**PHYSICAL STATE:** Paste  
**pH:** Not applicable  
**MELTING/ FREEZING PT:** Not available  
**FLASH POINT:** > 130° C (266°F)  
**EVAPORATION RATE:** Not available  
**FLAMMABILITY:** Not available  
**UPPER FLAMMABILITY LIMITS:** Not available  
**LOWER FLAMMABILITY LIMITS:** Not available  
**VAPOR PRESSURE:** Not available  
**VAPOR DENSITY:** Not available  
**RELATIVE DENSITY:** 1.5g/cm<sup>3</sup>  
**SOLUBILITY (H<sub>2</sub>O):** Not soluble  
**PARTITION COEFFICIENT:** Not available  
**AUTO-IGNITION TEMPERATURE:** >450°C  
**VISCOSITY:** Not available  
**VOC CONTENT % WT:** None

## X. Stability And Reactivity

**STABILITY:** Stable under normal ambient conditions.  
**CONDITIONS TO AVOID (STABILITY):** Moisture and /or heat may cause polymerization.  
**INCOMPATIBILITY (MATERIAL TO AVOID):** Water, amines and alcohols  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** None at ambient conditions  
**HAZARDOUS POLYMERIZATION:** Will not occur at ambient conditions.

## XI. Toxicity Information

No information on the product itself is available.

## XII. Ecological Information

No information on the product itself is available.

### **XIII. Disposal Considerations**

#### Waste Disposal Method

Waste disposal should be in accordance with existing federal, state and local environmental control laws. Incineration is the preferred method.

#### Empty Container Precautions

Empty containers retain product residue; observe all precautions for product. Do not heat or cut empty container with electric or gas torch because highly toxic vapors and gases are formed. Do not reuse without thorough commercial cleaning and reconditioning. If container is to be disposed, ensure all product residues are reacted or removed prior to disposal. Dispose of per local, state and federal guidelines. This product in its cured state is inert and non-toxic.

### **XIV. Transport Information**

Not considered as dangerous goods under transport regulations.

### **XV. Regulatory Information**

No classification required.

HMIS:

Health: 1      Flammability: 0      Reactivity:0

### **XVI. Other Information**

#### PREPARATION INFORMATION:

August 2010

This MSDS is on a three year review cycle. If the date on this sheet is older than three years please contact *LymTal International, Inc.* for an updated MSDS.

#### DISCLAIMER:

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