

Safety Data Sheet

I. Product and Company Identification

PRODUCT: ISO-FLEX 618-100CRS
MANUFACTURER: LymTal International, Inc.
4150 S. Lapeer Rd. Orion, MI 48359
www.lymtal.com
For Non-Emergency Questions,
Hours 8AM To 4PM Eastern Standard Time
(248) 373-8100

EMERGENCY CONTACT: 24-Hour Chemtrec (800)424-9300
Chemtrec, D.C. Area (800)483-7616

II. Hazards Identification

Classification of the Substance or Mixture:



Skin Corrosion/Irritation, CAT 2

Signal Word: **WARNING**

Hazard Statements:

H227	Combustible Liquid	Flammable Liquid, Cat 4
H315	Causes Skin Irritation	Skin Corrosion/Irritation Cat 2
H402	Harmful To Aquatic Life	Aquatic Environmental Hazard, Cat 3

Precautionary Statements:

P102	Keep Out Of Reach Of Children
P103	Read Label Before Use
P202	Do Not Handle Until All Safety Precautions Have Been Read And Understood
P210	Keep Away From Heat, Hot Surfaces, Sparks, Open Flames And Other Ignition Sources No Smoking
P264	Wash Thoroughly After Handling
P270	Do Not Eat/Drink/Smoke While Using This Product
P271	Use Only Outdoors Or In A Well Ventilated Area
P273	Avoid Release To The Environment
P280	Wear Protective Gloves/Protective Clothing/Eye Protection/Face Protection
P302 + P362+P353	If On Skin: take Off Contaminated Clothing, Rinse Skin With Water/Shower
P305+P351+P338	If In Eyes: Rinse Cautiously With Water For Several Minutes, Get Immediate Medical Advise/Attention
P332+P313	If Skin Irritation Occurs, Get Medical Advice/Attention
P363	Wash Contaminated Clothing Before Reuse
P370+P378	In Case Of Fire: Use Carbon Dioxide, Foam, Dry Chemical, Water Fog To Extinguish
P403+P235	Store In A Well Ventilated Place. Keep Cool
P405	Store Locked Up
P501	Dispose Of Contents/Container In Accordance With Local/Regional/National/International/ Regulations

III. Composition/Information on Ingredients

Ingredients:

Isobutyltriethoxysilane
Proprietary Ingredients

CAS #:
17980-47-1

CONTENT
>=95-<=100%
Balance

California Proposition 65 ingredients

None

Section 313 Supplier Notification

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 (40CFR372)

None

IV. First Aid Measures

Inhalation

Remove victim from exposure. If difficulty with breathing, administer oxygen and seek medical assistance

Eyes

Flush eyes with cold water for a minimum of 15 minutes, lifting lower and upper eye lids throughout. Seek immediate medical attention.

Skin

Immediately remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

Ingestion

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

HMIS Hazard Rating No. 2

Flash Point: 63 °C (145.4 ° F)

Method: Pensky Closed Cup.

General Hazard: Decomposition and combustion products may be toxic.

Auto-Ignition Temp.: ~ 267 °C (silane)

Limits of Flammability

LEL: Not Available

UEL: Not Available

Extinguishing Media

For small fires, use water spray, foam, CO₂, or dry chemical. For large fires, use water spray, fog, or alcohol foam.

Special Fire & Unusual Hazards

Move containers from area if it can be done without risk. Cool fire-exposed containers with water from the side. As in any fire, wear NIOSH/MSHA approved, pressure demand self contained breathing apparatus and full protective gear.

VI. Accidental Release Measures

Action To Take For Spills/ Leaks: Avoid contact with skin or eyes. Ventilate the area, and eliminate all sources of ignition. Wear appropriate protective gear, contain leak or spill, salvage, and clean up residue with absorbent material.

Waste Disposal Method: Handle disposal of waste material in a manner that complies with local, state, province and federal regulation. Landfill if solidified, or incineration at agency approved waste-disposal facilities.

VII. Handling And Storage

Store In Cool, Dry Place At 50-95°F. Condition Material To 65-85°F Before Using

VIII. Exposure Controls / Personal Protection

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build up of heavy vapors.

Personal Protection Equipment: Do NOT wear contact lenses when working with this material. Use chemical goggles/safety glasses with side shields and impervious gloves. Wear clothing with long sleeves and pants. In operations where vapors or mists can be generated or the exposure limits for vapors or mist of this product or crystalline silica exceeded, wear a NIOSH/MSHA approved dust/fume respirator selected by a technically qualified person for the specific work conditions. Wear respirator protection whenever airborne concentrations exceed TLV ceilings or TWA, use NIOSH approved respirators for listed hazard.

Confined spaces, room, or tanks are areas where concern for TLV's is especially important. Reference OSHA regulation CFR 29 1910.134 for recommended respiratory protection.

Provide adequate Ventilation to control exposures within guidelines of OSHA PEL : TWA 200 ppm and ACGIH TLV-skin: TWA 200 ppm, STEL 250 ppm.

IX. Physical And Chemical Properties

Boiling Point (°C):	186 ° C	Water/Oil Distribution Coefficient:	N/A
VOC, Content:	~ 423 g / L	Solubility in Water:	Negligible
Freezing Point (°C):	N/A	Specific Gravity @20° C	0.88
Vapor Pressure @ 20° C	33 Pa @ 20° C	pH:	N/A
Vapor Density	N/A	Evaporation Rate:	N/A
Odor Threshold:	N/A	Odor:	Slight
Appearance:	Clear Liquid		
N/A = Not Available	N/D=NOT Determined	Ca. = Approximate	

X. Stability And Reactivity

HMIS Hazard Rating No. 1

Stability

Stable

Incompatibility:

Strong acids and bases, oxidizing and reducing agents and peroxides.

Hazardous Decomposition Products

Oxides of Carbon; Decomposition and Combustion products may be toxic.

Conditions To Avoid

Avoid source of ignition and contamination.

XI. Toxicity Information

HMIS Hazard Rating No. 2

PRIMARY ROUTE OF ENTRY: Inhalation, dermal, skin and eyes.

Effects Of Overexposure

<u>Inhalation:</u>	May cause lung damage at prolonged or repeated inhalation or at higher concentrations.
<u>Eyes:</u>	Contact can cause severe irritation, redness, tearing and blurred vision.
<u>Skin Contact:</u>	May cause moderate skin irritation.
<u>Ingestion:</u>	May cause permanent damage to the mouth throat and stomach.
Chronic:	This product does not contain chemicals considered to be carcinogenic by NTP, IRAC, ACGIH, OSHA.

XII. Ecological Information

Marine Pollutant: NL

(NL = Not Listed; P = Moderate; PP = Severe; ND = Not Determined)

XIII. Disposal Considerations

Handle disposal of waste material in a manner that complies with all applicable local, state, provincial and federal regulations.

XIV. Transport Information

DOT SHIPPING INFORMATION (49 CFR 172.101):

NOT REGULATED IN PACKAGING SIZE 450 LITERS OR LESS

IMDG : For USA : **Packaging size more than 450 L, Combustible Liquid, N.O.S. (Isobutyltriethoxysilane), NA 1993, III, Flash Point : 63 ° C (145.4 ° F).**

XV. Regulatory Information

OSHA Hazard Communication Standard (29 CFR 1910.1200)	See section III / None
CERCLA/ Super fund (40 CFR 117,302)	None
SARA Extremely Hazardous Substances (40 CFR 355)	None
SARA Hazard Categories (40 CFR 370)	Acute Health Hazard / Fire Hazard
SARA Toxic Chemicals (40 CFR 372)	None
Inventory Status	The chemicals in this product are listed on the US TSCA Chemical Substance Inventory and the Canadian Domestic Substances List.

XVI. Other Information

THE INFORMATION HEREIN HAS BEEN COMPILED FROM SOURCES BELIEVED TO BE RELIABLE AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, LymTal INTERNATIONAL INC. CANNOT GIVE ANY GUARANTEES REGARDING INFORMATION FROM OTHER SOURCES, AND EXPRESSLY DOES NOT MAKE ANY WARRANTIES, NOR ASSUMES ANY LIABILITY, FOR ITS USE.

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