

Safety Data Sheet

I. Product and Company Identification

PRODUCT: ISO-FLEX 640 PART A
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:



Resp Sensitizer, CAT 1; Acute Toxicity Inhale, CAT 4; STOT Single Exposure, CAT 3A, Respiratory

Signal Word: **DANGER**

Hazard Statements:

H305	May Be Harmful If Swallowed and Enters Airways	Aspiration Hazard, Cat 2
H317	May Cause An Allergic Skin Reaction	Skin Sensitizer, Cat 1
H332	Harmful If Inhaled	Acute Toxicity, Cat 4, Inhale
H334	May Cause Allergy Or Asthma Symptoms Or Breathing Difficulties If Inhaled	Resp Sensitizer, Cat 1
H335	May Cause Respiratory Irritation	Stot Single Exposure, Cat 3, Respiratory
H373	May Cause Damage To Organs Through Prolonged Or repeated Exposure	Stot Repeated Exposure, Cat 2, Lungs
H402	Harmful To Aquatic Life	Acute Aquatic Environmental Hazard, Cat 3

Precautionary Statements:

P101	If Medical Advice Is Needed, Have Product Container Or Label At Hand
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
P260	Do Not Breathe Fume/Gas/Mist/Vapors/Spray
P261	Avoid Breathing Vapors
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
P272	Contaminated Clothing Should Not Be Allowed Out Of the Workplace
P273	Avoid Release To The Environment
P280	Wear Protective Gloves/Protective Clothing/Eye Protection/Face Protection

P285	In Case Of Inadequate Ventilation Wear Respiratory Protection
P301 +P310	If Swallowed: Immediately Call A Poison Center/Doctor
P302 + P362+P353	If On Skin: take Off Contaminated Clothing, Rinse Skin With Water/Shower
P304+P340+P314	If Inhaled: Remove Person To Fresh Air And Keep Comfortable For Breathing, Get Medical Advice/Attention If You Feel Unwell.
P305+P351+P338	If In Eyes: Rinse Cautiously With Water For Several Minutes, Remove Contact Lenses If Present And Easy To Do. Continue Rinsing.
P308+P313	If Exposed Or Concerned: Get Medical Advice/Attention
P312	Call A Poison Center/Doctor If You Feel Unwell
P331	Do Not Induce Vomiting
P333+P313	If Skin Irritation Or Rash Occurs, Get Medical Advice/Attention
P337+P313	If Eye Irritation Persists: Get Medical Advice/Attention
P342+P311	If Experiencing Respiratory Symptoms: Call A Poison Center Or Doctor/Physician
P363	Wash Contaminated Clothing Before Reuse
P391	Collect Spillage
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

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

<u>Ingredients:</u>	<u>CAS #:</u>	<u>CONTENT</u>
Homopolymer of HDI	28182-81-2	60-100%
Hexamethylene Diisocyanate	822-06-0	<=0.25%
Hydrophilic Aliphatic Polyisocyanate based on HMDI	Trade Secret	>=1.0%

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

<u>Inhalation</u>	Remove victim from exposure. If difficulty with breathing, administer oxygen and seek medical assistance
<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>	Immediately remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.
<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

HMIS Hazard Rating No. 1

Flash Point: 185 °C (365 °F)

Method: Setaflash

General Hazard: Decomposition and combustion products may be toxic.

Auto-Ignition Temp.: Not Available

Limits of Flammability

LEL: Not Established

UEL: Not Established

Extinguishing Media

Dry chemical, carbon dioxide, foam, water spray.

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 area, and eliminate all sources of ignition. Wear appropriate protective gear, contain leak or spill, salvage, clean up residue with absorbent material. Decontaminate spill area with a decontamination solution : 3% concentrated Ammonia, 2% detergent and 95% water, allow to react for at least 10 minutes before cleaning.

Waste Disposal Method: Handle disposal of waste material in 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 Dry And Cool 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 mists can be generated or the exposure limits for 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.

IX. Physical And Chemical Properties

Boiling Point (°C):	N/D	Water/Oil Distribution Coefficient:	N/A
VOC Content g / L:	< 10 g / L (VOC) Pt.A+Pt.B = < 10 g / L	Solubility in Water:	Negligible
Freezing Point (°C):	N/A	Specific Gravity @20° C	1.15
Vapor Pressure @ 20° C	5.2 x 10 ⁻⁹	pH:	N/A
Vapor Density	>air	Evaporation Rate:	N/A
Odor Threshold:	N/A	Odor:	Slight
Appearance:	Amber liquid		
N/A = Not Available	N/D=NOT Determined	Ca. = Approximate	

X. Stability And Reactivity

HMIS Hazard Rating No. 1

Stability

Stable

Incompatibility:

Water, amines, strong bases, alcohols, and metal compounds.

Hazardous Decomposition Products

Oxides of Carbon; and nitrogen, and Hydrogen cyanide;
Decomposition and Combustion products may be toxic.

Conditions To Avoid

See incompatibility.

XI. Toxicity Information

HMIS Hazard Rating No. 2

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

Effects Of Overexposure

Inhalation:

Causes irritation of the mucous membranes, sore throat, cough and shortness of breath.

Eyes:

Vapors are irritating to the eyes and may cause tearing and clouding of the eye.

Skin Contact:

Causes skin irritation and in some cases sensitization with prolonged exposure.

Ingestion:

Not expected to be a relevant route of exposure although it 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 (Land Transport) SHIPPING INFORMATION:

DOT Proper Shipping Name: **Non - Regulated**

DOT Hazard Class

DOT I.D Number

Label(s)

**Air transport
(ICAO/IATA):**

Non - Regulated

**Sea transport :
(IMDG)**

Non-Regulated

XV. Regulatory Information

OSHA Hazard Communication Standard (29 CFR 1910.1200)	Hazardous
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, Chronic health hazard, Reactivity hazard
SARA Toxic Chemicals (40 CFR 372) Inventory Status	None 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.

Date of Preparation/ Last Revision: 5/07/2015

Safety Data Sheet

I. Product and Company Identification

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MANUFACTURER: LymTal International, Inc.
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www.lymtal.com
For Non-Emergency Questions,
Hours 8AM To 4PM Eastern Standard Time
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EMERGENCY CONTACT: 24-Hour Chemtrec (800)424-9300
Chemtrec, D.C. Area (800)483-7616

II. Hazards Identification

Classification of the Substance or Mixture:



Aspiration Hazard, CAT 2; Carcinogenicity, CAT 2

Signal Word: **WARNING**

Hazard Statements:

H305	May Be Harmful If Swallowed and Enters Airways	Aspiration Hazard, Cat 2
H361	Suspected Of Damaging Fertility Or The Unborn Child	Reproduction Toxicity, Cat 2

Precautionary Statements:

P102	Keep Out Of Reach Of Children
P103	Read Label Before Use
P201	Obtain Special Instructions Before Use
P202	Do Not Handle Until All Safety Precautions Have Been Read And Understood
P272	Contaminated Clothing Should Not Be Allowed Out Of the Workplace
P308+P313	If Exposed Or Concerned: Get Medical Advice/Attention

III. 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

<u>Ingredients:</u>	<u>CAS #:</u>	<u>CONTENT</u>
Propylene Glycol n-butyl ether	5131-66-8	1-5%
Triethanolamine	102-71-6	<10%
Water	7732-18-5	>=1%
Polyacrylate Resin	710313-77-2	>=1%

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

<u>Inhalation</u>	Remove victim from exposure. If difficulty with breathing, administer oxygen and seek medical assistance
<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>	Immediately remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.
<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

HMIS Hazard Rating No. 1

Flash Point: N/D

Method: Pensky Martin C.C.

General Hazard: Decomposition and combustion products may be toxic.

Auto-Ignition Temp.: Not Available

Limits of Flammability

LEL: Not Available

UEL: Not Available

Extinguishing Media

Carbon Dioxide, foam, dry chemical, and water fog.

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, 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. Keep From Freezing. 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 mists can be generated or the exposure limits are exceeded, then 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.

IX. Physical And Chemical Properties

Boiling Point (°C):	100 *C	Water/Oil Distribution Coefficient:	N/A
VOC Content g / L:	< 10 g / L (VOC) Pt.A+Pt.B = < 10 g / L	Solubility in Water:	Yes
Freezing Point (°C):	0	Specific Gravity @20° C	1.09
Vapor Pressure @ 20° C	N/D	pH:	N/A
Vapor Density	>air	Evaporation Rate:	Less than ether
Odor Threshold:	N/A	Odor:	Faint
Appearance:	Colorless white liquid		
N/A = Not Available	N/D=NOT Determined	Ca. = Approximate	

X. Stability And Reactivity

HMIS Hazard Rating No. 0

Stability

Stable

Incompatibility:

Oxidizing agents.

Hazardous Decomposition Products

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

Conditions To Avoid

Protect from Freezing

XI. Toxicity Information

HMIS Hazard Rating No. 0

PRIMARY ROUTE OF ENTRY: Eye and skin contact, breathing and ingestion.

Effects Of Overexposure

Inhalation:

Causes narcotic effects and headaches with overexposure.

Eyes:

Contact can cause severe irritation and burns.

Skin Contact:

In some individuals it may cause sensitization and mild burns.

Ingestion:

May cause permanent damage to the mouth throat and stomach.

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.

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(ICAO/IATA):**

Non – Regulated

**Sea transport :
(IMDG)**

Non-Regulated

XV. Regulatory Information

OSHA Hazard Communication Standard
(29 CFR 1910.1200)

Hazardous

CERCLA/ Super fund (40 CFR 117,302)

None

SARA Extremely Hazardous Substances
(40 CFR 355)

None

SARA Hazard Categories (40 CFR 370)

N/A

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

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Date of Preparation/ Last Revision: 6/09/2015