

Safety Data Sheet

I. Product and Company Identification

PRODUCT: ISO-FLEX 650 BARRIER COAT, 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:



Skin Corrosion/Irritation, CAT 2; Eye Damage/Irritation, CAT 2A; Skin Sensitizer, CAT 1B

Signal Word: **WARNING**

Hazard Statements:

H315	Causes Skin Irritation	Skin Corrosion/Irritation Cat 2
H317	May Cause An Allergic Skin Reaction	Skin Sensitizer, Cat 1B
H319	Causes Serious Eye Irritation	Eye Damage/Irritation, Cat 2A
H401	Toxic To Aquatic Life	Aquatic Environmental Hazard, Cat 2
H413	May Cause Long Lasting Harmful Effects To Aquatic Life	Long term Aquatic Environmental Hazard, Cat 4

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
P260	Do Not Breathe Dust/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
P273	Avoid Release To The Environment
P281	Wear Personal Protective Equipment As Required
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

P331	Do Not Induce Vomiting
P332+P313	If Skin Irritation Occurs, Get Medical Advice/Attention
P337+P313	If Eye Irritation Persists: Get Medical Advice/Attention
P391	Collect Spillage
P403+P235+P233	Store In A Well Ventilated Place. Keep Cool. Keep Container Tightly Closed
P405	Store Locked Up
P501	Dispose Of Contents/Container In Accordance With Local/Regional/National/International/Regulations

III. Composition/Information on Ingredients

<u>Ingredients:</u>	<u>CAS #:</u>	<u>CONTENT</u>
Bisphenol A Epoxy Resin	025085-99-8	<85.0%
C12-C14-Alkylglycidal Ether	68609-97-2	<20.0%

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. 0

Flash Point: > 200 °F

Method: Pensky Martin C.C.

General Hazard: Decomposition and combustion products may be toxic.

Auto-Ignition Temp.: 270°C

Limits of Flammability

LEL: 1.3

UEL: 9.5

Extinguishing Media

For small fires, use water spray, foam, CO2, or dry chemical. For large fires, use water spray, or 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. Firefighters should wear butyl rubber boots, gloves, and body suit.

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.

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 a cool dry place keep from freezing. Store away from strong acids or oxidizing agents

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 nitrile rubber 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):	202	Water/Oil Distribution Coefficient:	N/A
Percent Volatile:	25 g / L Pt. A (Pt. A + Pt. B = 25 g/L)	Solubility in Water:	Negligible
Freezing Point (°C):	N/A	Specific Gravity @20° C	1.087
Vapor Pressure @ 20° C	N/A	pH:	N/A
Vapor Density	>air	Evaporation Rate:	Slower of ether
Odor Threshold:	N/A	Odor:	Mild epoxy
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, bases, amines and oxidizing agents.

Hazardous Decomposition Products

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

Conditions To Avoid

Excess heating above 60C over long periods degrades resin.
Strong acids in bulk. MOISTURE as compound is hygroscopic.

XI. Toxicity Information

HMIS Hazard Rating No. 3

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

Effects Of Overexposure

<u>Inhalation:</u>	Vapors / mist may result in dizziness, and headache.
<u>Eyes:</u>	Product may cause irritation to the eyes and may cause temporary corneal clouding.
<u>Skin Contact:</u>	Causes irritation redness and defatting.
<u>Ingestion:</u>	Not expected to be a relevant route of exposure although it 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.

XIV. Transport Information

DOT SHIPPING INFORMATION

DOT Proper Shipping Name **NOT REGULATED**

DOT Hazard Class

DOT I.D Number

Label(s)

XV. Regulatory Information

OSHA Hazard Communication Standard
(29 CFR 1910.1200)

Hazardous

CERCLA/ Super fund (40 CFR 117,302)

Immediate health hazard

SARA Extremely Hazardous Substances
(40 CFR 355)

N/A

SARA Hazard Categories (40 CFR 370)

Health: Immediate

Physical: Fire

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.

Date of Preparation/ Last Revision: 8/03/2015

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(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:



Eye Damage/Irritation, CAT 1



Resp Sensitizer, CAT 1B; Reproduction Toxicity, CAT 2; STOT Repeated Exposure CAT 2, Sore Throat

Signal Word: **DANGER**

Hazard Statements:

H303	May Be Harmful If Swallowed	Acute Toxicity, Cat 5
H305	May Be Harmful If Swallowed and Enters Airways	Aspiration Hazard, Cat 2
H315	Causes Skin Irritation	Skin Corrosion/Irritation Cat 2
H317	May Cause An Allergic Skin Reaction	Skin Sensitizer, Cat 1
H318	Causes Serious Eye Damage	Eye Damage/Irritation, Cat 1
H334	May Cause Allergy Or Asthma Symptoms Or Breathing Difficulties If Inhaled	Resp Sensitizer, Cat 1A
H335	May Cause Respiratory Irritation	Stot Single Exposure, Cat 3, RTI, NE, CNS
H361	Suspected Of Damaging Fertility Or The Unborn Child	Reproduction Toxicity, Cat 2
H373	May Cause Damage To Organs Through Prolonged Or repeated Exposure	Stot Repeated Exposure, Cat 2, Sore Throat
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

P260	Do Not Breathe Dust/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
P273	Avoid Release To The Environment
P280	Wear Protective Gloves/Protective Clothing/Eye Protection/Face Protection
P281	Wear Personal Protective Equipment As Required
P285	In Case Of Inadequate Ventilation Wear Respiratory Protection
P301 +P312	If Swallowed: Call A Poison Center/Doctor If You Feel Unwell
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
P310	Immediately Call A Poison Center Or Doctor
P331	Do Not Induce Vomiting
P332+P313	If Skin Irritation Occurs, Get Medical Advice/Attention
P363	Wash Contaminated Clothing Before Reuse
P391	Collect Spillage
P403+P235+P233	Store In A Well Ventilated Place. Keep Cool. Keep Container Tightly Closed
P405	Store Locked Up
P501	Dispose Of Contents/Container In Accordance With Local/Regional/National/International/Regulations

III. Composition/Information on Ingredients

<u>Ingredients:</u>	<u>CAS #:</u>	<u>CONTENT</u>
Modified Polyamine Polymer	Proprietary	<45%
Polyamine Polymer	Proprietary	<45%
N-Methylpyrrolidone	872-50-4	<5%

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 (water based)

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 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 Dry 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 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):	100 *C	Water/Oil Distribution Coefficient:	N/A
Percent Volatile:	75 g/L Pt. B (Pt. A + Pt. B = 25 g/L)	Solubility in Water:	Yes
Freezing Point (°C):	N/D	Specific Gravity @20° C	1.033
Vapor Pressure @ 20° C	N/D	pH:	>7
Vapor Density	>air	Evaporation Rate:	Less than ether
Odor Threshold:	N/A	Odor:	Ammoniacal
Appearance:	Amber clear 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

N/A

XI. Toxicity Information

HMIS Hazard Rating No. 1

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

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Immediate health hazard
N/A

SARA Hazard Categories (40 CFR 370)
SARA Toxic Chemicals (40 CFR 372)

N/A
None

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