

Safety Data Sheet

I. Product and Company Identification

PRODUCT: ISO-FLEX 630 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:



Flammable Liquid, CAT 3



STOT Repeated Exposure, CAT 2, CNS, Liver, Kidney; Aspiration Hazard, CAT 1



Skin Sensitizer, CAT 1; Eye Damage/Irritation, CAT 2A; Acute Toxicity, Inhale, CAT 4;
Skin Corrosion/Irritation, CAT 2; STOT Single Exposure, CAT 3A, RTI

Signal Word: **DANGER**

Hazard Statements:

H226	Flammable Liquid And Vapor	Flammable Liquid, Cat 3
H304	May Be Fatal If Swallowed And Enters The Airways	Aspiration Hazard, Cat 1
H315	Causes Skin Irritation	Skin Corrosion/Irritation Cat 2
H317	May Cause An Allergic Skin Reaction	Skin Sensitizer, Cat 1
H319	Causes Serious Eye Irritation	Eye Damage/Irritation, Cat 2A
H332	Harmful If Inhaled	Acute Toxicity, Inhale, Cat 4
H335	May Cause Respiratory Irritation	Stot Single Exposure, Cat 3A, RTI
H373	May Cause Damage To Organs Through Prolonged Or Repeated Exposure	Stot Repeated Exposure, Cat 2, CNS, Liver, Kidney
H402	Harmful To Aquatic Life	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
P201	Obtain Special Instructions 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
P233	Keep Container Tightly Closed
P240	Ground/Bond Container And Receiving Equipment
P241	Use Explosion Proof Electrical/Ventilation/Lighting/Equipment
P242	Use Only Non Sparking Tools
P243	Take Precautionary Measures Against Static Discharge
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
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
P370+P378	In Case Of Fire: Use Carbon Dioxide, Foam, Dry Chemical, Water Fog To Extinguish
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>
Hexamethylene diisocyanate, oligomerisation product (bluret type)	28182-81-2	>=50%-<=100%
Xylene	1330-20-7	>=7.0%-<15.0%
1,6-Hexamethylene Diisocyanate	822-06-0	>=0.0%-<0.3%
Ethylbenzene	100-41-4	>=0.0%-<3.0%

California Proposition 65 ingredients

Ethylbenzene 100-41-4 $\geq 0.0\%$ - $< 3.0\%$

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)

Xylene 1330-20-7 $> 10\%$ - $< 15\%$
Ethylbenzene 100-41-4 $> 1\%$ - $< 5\%$

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: 39 °C (102.2 °F)

Method: Setaflash

General Hazard: Decomposition and combustion products may be toxic.

Auto-Ignition Temp.: Not Available

Limits of Flammability

LEL: 1.0% (xylene)

UEL: 7.0% (xylene)

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 the area, and eliminate all sources of ignition. Wear appropriate protective gear, contain leak or spill, salvage, and 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 Dry And Cool 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):	>120°	Water/Oil Distribution Coefficient:	N/A
VOC Content g/l	Pt.A = 270 g / L (VOC) 360 g / L (Pt. A + Pt.B)	Solubility in Water:	Reacts With Water
Freezing Point (°C):	N/A	Specific Gravity @20° C	1.06
Vapor Pressure @ 20° C	N/A	pH:	N/A
Vapor Density	>air	Evaporation Rate:	N/A
Odor Threshold:	N/A	Odor:	Solvent
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 SHIPPING INFORMATION

DOT Proper Shipping Name	Resin Solution		
DOT Hazard Class	3 PG III		
DOT I.D Number	UN 1866	Label(s)	Flammable Liquid

XV. Regulatory Information

OSHA Hazard Communication Standard (29 CFR 1910.1200)	Hazardous
CERCLA/ Super fund (40 CFR 117,302)	N/A
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) Inventory Status	See section III for listed chemicals The chemicals in this product are listed on the US TSCA Chemical Substance Inventory and the Canadian Domestic Substances List.
California Proposition 65:	See section III for listed chemicals

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: 12/18/2018

Safety Data Sheet

I. Product and Company Identification

PRODUCT: ISO-FLEX 630 PART B
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:



Acute Toxicity Dermal, CAT 4; Acute Toxicity Inhale, CAT 4; STOT Single Exposure, CAT 3A, RTI; STOT Single Exposure, CAT 3B, NE; Skin Corrosion/Irritation, CAT 2



Flammable Liquid, CAT 3

Signal Word:

WARNING

Hazard Statements:

H226	Flammable Liquid And Vapor	Flammable Liquid, Cat 3
H312	Harmful In Contact With Skin	Acute Toxicity Dermal, Cat 4
H315	Causes Skin Irritation	Skin Corrosion/Irritation Cat 2
H320	Causes Eye Irritation	Eye Damage/Irritation, Cat 2B
H332	Harmful If Inhaled	Acute Toxicity Inhale, Cat 4
H335	May Cause Respiratory Irritation	Stot Single Exposure, Cat 3B, NE
H336	May Cause Drowsiness Or Dizziness	Stot Single Exposure, Cat 3A, RTI

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
P210	Keep Away From Heat, Hot Surfaces, Sparks, Open Flames And Other Ignition Sources No Smoking
P235	Keep Cool
P240	Ground/Bond Container And Receiving Equipment
P241	Use Explosion Proof Electrical/Ventilation/Lighting/Equipment
P242	Use Only Non Sparking Tools
P243	Take Precautionary Measures Against Static Discharge
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
P280	Wear Protective Gloves/Protective Clothing/Eye Protection/Face Protection
P301+P331	If Swallowed: Do Not Induce Vomiting
P302+P352	If On Skin: Wash With Plenty Of Soap And Water
P303 + P361+P353	If On Skin(Or Hair): Remove/Take Off Immediately All 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.
P309+P311	If Exposed Or If You Feel Unwell: Call A Poison Center Or Doctor.
P310	Immediately Call A Poison Center Or Doctor
P312	Call A Poison Center/Doctor If You Feel Unwell
P332+P313	If Skin Irritation Occurs, Get Medical Advice/Attention
P337+P313	If Eye Irritation Persists: 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+P233	Store In A Well Ventilated Place. 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

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>
N-Butyl Acetate	123-86-4	20.8%
Xylene	1330-20-7	5.988%
Ethyl Benzene	100-41-4	1.478%
Petroleum Hydrocarbons	64742-95-6	4.788%
1,2,4 Trimethylbenzene	95-63-6	2.432%
Cumene	98-82-8	0.114%

California Proposition 65 ingredients

Cumene	98-82-8	0.114%
Ethyl Benzene	100-41-4	1.478%
Benzene	71-43-2	
Toluene	108-88-3	
Ethyl Acrylate	140-88-5	

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)

Xylene	1330-20-7	5.988%
Ethyl Benzene	100-41-4	1.478%
1,2,4 Trimethylbenzene	95-63-6	2.432%
Cumene	98-82-8	0.114%
Ethyl Acrylate	140-88-5	
Benzene	71-43-2	
Toluene	108-88-3	

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. 3

Flash Point: 30.0 °C (86.0 °F)

Method: Setaflash

General Hazard: Decomposition and combustion products may be toxic.

Auto-Ignition Temp.: Not Available

Limits of Flammability

LEL: 1.0% (xylene)

UEL: 7.0% (xylene)

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 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 Dry, 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:	381 g / L (VOC) 360 g / L (Pt.A+PT.B)	Solubility in Water:	Negligible
Freezing Point (°C):	N/A	Specific Gravity @20° C	1.11
Vapor Pressure @ 20° C	N/A	pH:	N/A
Vapor Density	>air	Evaporation Rate:	N/A
Odor Threshold:	N/A	Odor:	Solvent
Appearance:	Amber / pigmented liquid		
N/A = Not Available	N/D=NOT Determined	Ca. = Approximate	

X. Stability And Reactivity

HMIS Hazard Rating No. 0

Stability

Stable

Incompatibility:

Any phosphorous containing materials.

Hazardous Decomposition Products

Oxides of Carbon; and nitrogen, 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

<u>Inhalation:</u>	Causes irritation of the mucous membranes, sore throat, cough and shortness of breath.
<u>Eyes:</u>	Vapors are irritating to the eyes and may cause tearing and clouding of the eye.
<u>Skin Contact:</u>	Causes skin irritation and in some cases sensitization with prolonged exposure.
<u>Ingestion:</u>	Not expected to be a relevant route of exposure although it may cause permanent damage to the mouth throat and stomach.
<u>Chronic:</u>	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

DOT Proper Shipping Name	Resin Solution		
DOT Hazard Class	3 PG III		
DOT I.D Number	UN 1866	Label(s)	Flammable Liquid

XV. Regulatory Information

OSHA Hazard Communication Standard (29 CFR 1910.1200)	Hazardous
CERCLA/ Super fund (40 CFR 117,302)	N/A
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) Inventory Status	See section III supplier notification The chemicals in this product are listed on the US TSCA Chemical Substance Inventory and the Canadian Domestic Substances List.
California Proposition 65:	See section III for list of chemicals

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: 01/02/2019