

Safety Data Sheet

I. Product and Company Identification

PRODUCT: ISO-FLEX 980 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; Germ Cell Mutagenicity, CAT 1B; Carcinogenicity, CAT 1B; STOT Repeated Exposure, CAT 2, Lung; Aspiration Hazard, CAT 1



Long Term Aquatic Environmental Hazard, CAT 1



Flammable Liquid, CAT 3



Acute Toxicity, Inhale, CAT 1

Signal Word: **DANGER**

Hazard Statements:

H226	Flammable Liquid and Vapor	Flammable Liquid, Cat 3
H304	May Be Fatal If Swallowed And Enters 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
H330	Fatal If Inhaled	Acute Toxicity, Inhale, Cat 1
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 3A, RTI

H336	May Cause Drowsiness Or Dizziness	Stot Single Exposure, Cat 3B CNS
H340	May Cause Genetic Defects	Germ Cell Mutagenicity , Cat 1B
H350	May Cause Cancer	Carcinogenicity, Cat 1B
H372	Causes Damage To Organs Through Prolonged Or Repeated Exposure	Stot Repeated Exposure, Cat 2 (Lung)
H400	Very Toxic To Aquatic Life	Aquatic Environmental Hazard, Cat 2
H410	Very Toxic To Aquatic Life With Long Lasting Effects	Long term Aquatic Environmental Hazard, Cat 1

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
P233	Keep Container Tightly Closed
P240	Ground And Bond Container And Receiving Equipment
P241	Use Explosion Proof Equipment
P242	Use Non Sparking Tools
P243	Take Action To prevent Static Discharge
P260	Do Not Breathe Dust/Fume/Gas/Mist/Vapors/Spray
P262+P264	Take Off Contaminated Clothing And Wash Before Reuse
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 Work 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 +P315	If Swallowed: Get Immediate Medical Advice/Attention
P302 + P352	If On Skin: Wash With Plenty Of Soap And Water
P304+P340	If Inhaled: Remove Victim To Fresh Air And Keep At Rest In A Position Comfortable For Breathing
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 Or 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
P342+P311	If Experiencing Respiratory Symptoms: Call A Poison Center/Doctor
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

<u>Ingredients:</u>	<u>CAS #:</u>	<u>CONTENT</u>
Calcium Carbonate	1317-65-3	<20.0%
Diphenylmethanediisocyanate	26447-40-5	<2.14%
Modified MDI	Not Disclosed	6.41%
Petroleum Hydrocarbons	64742-95-6	3.78%
Proprietary Ingredients		Balance

California Proposition 65 ingredients

Ethyl Benzene	100-41-4	0.1%
Cumene	98-82-8	0.3%
Benzene	71-43-2	
1,1-Dichloroethane	75-34-3	
1,2-Dichloroethane	107-06-2	
Vinyl Chloride	75-01-4	

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)

1,2,4-trimethylbenzene	95-63-6	6.4%
Xylene	1330-20-7	0.6%
Cumene	98-82-8	0.3%
Ethyl Benzene	100-41-4	0.1%
Benzene	71-43-2	
1,1-Dichloroethane	75-34-3	
1,2-Dichloroethane	107-06-2	
Vinyl Chloride	75-01-4	

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: (>60 °C, or > 140 °F)

Method: Pensky Marten

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. This product is heavier than and insoluble in water. Wash down area using a soap solution and allow 10 minutes to react.

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 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):	N/A	Water/Oil Distribution	N/A
VOC Content	67 g / L (A+B = 68 g/L)	Coefficient:	
Percent Volatile:	Ca ~ 6%	Solubility in Water:	Negligible
Freezing Point (°C):	N/A	Specific Gravity @20° C	1.16
Vapor Pressure @ 20° C	N/A	pH:	N/A
Vapor Density	< 0.01	Evaporation Rate:	N/A
Odor Threshold:	N/A	Odor:	Aromatic
Appearance:	White paste		
N/A = Not Available	N/D=NOT Determined	Ca. = Approximate	

X. Stability And Reactivity

HMIS Hazard Rating No. 1

Stability

Stable, avoid contact with moisture.

Incompatibility:

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

Hazardous Decomposition Products

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

Conditions To Avoid

Strong acids, bases, amines and peroxides in bulk.

XI. Toxicity Information

HMIS Hazard Rating No. 2

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

Effects Of Overexposure

Inhalation: Vapors can be irritating to nose and mucous membranes.
Eyes: Contact can cause severe irritation.
Skin Contact: In some individuals it may cause sensitization.
Ingestion: 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 **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)

N/A

SARA Extremely Hazardous Substances
(40 CFR 355)

N/A

SARA Hazard Categories (40 CFR 370)

Health : Immediate
Physical: Delayed

SARA Toxic Chemicals (40 CFR 372)
Inventory Status

See section 313 advisory in section III
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: 12/19/2018

Safety Data Sheet

I. Product and Company Identification

PRODUCT: ISO-FLEX 980, 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, Oral, CAT 4; Skin Corrosion/Irritation, CAT 2; Eye Damage/Irritation, CAT 2A
STOT-SE, CAT 3A, RTI; STOT-SE, CAT 3B, CNS



STOT Repeated Exposure, CAT 2, Liver, Pancreas, Kidney, CNS

Signal Word: **WARNING**

Hazard Statements:

H302	Harmful If Swallowed	Acute Toxicity, Oral, Cat 4
H313	May Be Harmful In Contact With Skin	Acute Toxicity, Dermal, Cat 5
H315	Causes Skin Irritation	Skin Corrosion/Irritation Cat 2
H319	Causes Serious Eye Irritation	Eye Damage/Irritation, Cat 2A
H335	May Cause Respiratory Irritation	Stot-Single Exposure, Cat 3A, RTI
H336	May Cause Drowsiness or Dizziness	Stot-Single Exposure, Cat 3B, CNS
H373	May Cause Damage To Organs Through Prolonged Or Repeated Exposure	Stot Repeated Exposure, Cat 2 (Liver, Pancreas, Kidney,CNS)

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
P260	Do Not Breathe Dust/Fume/Gas/Mist/Vapors/Spray
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 Work 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 +P315	If Swallowed: Get Immediate Medical Advice/Attention
P302+P352	If On Skin: Wash With Plenty Of Soap And Water
P304+P340	If Inhaled: Remove Person To Fresh Air And Keep At Rest In A Position Comfortable For Breathing
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 Or Doctor If You Feel Unwell
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
P342+P311	If Experiencing Respiratory Symptoms: Call A Poison Center/Doctor
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

<u>Ingredients:</u>	<u>CAS #:</u>	<u>CONTENT</u>
Diethyltoluenediamine	68479-98-1	25.0 – 40.0%
Proprietary Ingredients		Balance

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	
<u>Flash Point:</u> > 166 °C (330.8 °F)	<u>Method:</u> Pensky Martin C.C.
<u>General Hazard:</u> Decomposition and combustion products may be toxic.	
<u>Auto-Ignition Temp.:</u> Not Available	
<u>Limits of Flammability</u>	LEL: Not Available UEL: Not Available
<u>Extinguishing Media</u>	For small fires, use water spray, foam, CO2, or dry chemical. For large fires, use water spray, fog, or alcohol foam.
<u>Special Fire & Unusual Hazards</u>	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 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 well ventilated areas keep away from flames or sources of sparks

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. Wear respirator protection whenever airborne concentrations exceed TLV or TWA, use NIOSH/OSHA approved respirators equipped with an organic vapor cartridge. 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):	232 °C	Water/Oil Distribution	N/A
VOC Content	235 g/L (A+B = 68 g/L)	Coefficient:	
Percent Volatile:	0%	Solubility in Water:	Ca 10%
Freezing Point (°C):	N/A	Specific Gravity @20° C	1.28
Vapor Pressure @ 20° C	N/A	pH:	N/A
Vapor Density	>air	Evaporation Rate:	N/A
Odor Threshold:	N/A	Odor:	Mild
Appearance:	pigmented 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, oxidizing agents.

Hazardous Decomposition Products Oxides of Carbon. Decomposition and Combustion products may be toxic.

Conditions To Avoid Strong acids in bulk.

XI. Toxicity Information

HMIS Hazard Rating No. 2

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

Effects Of Overexposure

Inhalation:

Vapors can be irritating to nose and mucous membranes. High exposures may result in dizziness, headache anesthesia, drowsiness, unconsciousness and other central nervous system effects.

Eyes:

Contact can cause mild irritation.

Skin Contact:

Frequent or prolonged contact may irritate and cause dermatitis, or aggravate and existing condition.

Ingestion:

Intake can cause gastrointestinal irritation, nausea, vomiting, diarrhea and headache.

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

This product is not regulated by DOT in containers of 119 gallon capacity or less

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 : Delayed

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: 12/18/2018