

# Safety Data Sheet

## I. Product and Company Identification

**PRODUCT:** ISO-FLEX 881, 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

Signal Word: **DANGER**

Hazard Statements:

H227	Combustible Liquid	Flammable Liquid, Cat 4
H332	Harmful If Inhaled	Acute Toxicity, Inhale, Cat 4
H315	Causes Skin Irritation	Skin Corrosion/Irritation Cat 2
H319	Causes Serious Eye Irritation	Eye Damage/Irritation, Cat 2A
H317	May Cause Allergic Skin Reaction	Skin Sensitizer, Cat 1
H334	May Cause Allergy Or Asthma Symptoms Or Breathing Difficulties If Inhaled	Resp Sensitizer, CAT 1
H340	May Cause Genetic Defects	Germ Cell Mutagenicity, Cat 1B
H350	May Cause Cancer	Carcinogenicity, Cat 1B
H335	May Cause Respiratory Irritation	Stot Single Exposure, Cat 3A, Respiratory Irritant
H336	May Cause Drowsiness or Dizziness	Stot Single Exposure, CAT 3B, CNS
H412	Harmful To Aquatic Life With Long Lasting Effects	Long term Aquatic Environmental Hazard, Cat 3

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
P331	Do Not Induce Vomiting
P363	Wash Contaminated Clothing Before Reuse
P302 + P352	If On Skin: Wash With Plenty Of Soap And Water
P308+P313	If Exposed Or Concerned: Get Medical Advice/Attention
P332+P313	If Skin Irritation Occurs, Get Medical Advice/Attention
P305+P351+P338	If In Eyes: Rinse Cautiously With Water For Several Minutes, Remove Contact Lenses If Present And Easy To Do. Continue Rinsing.
P304+P340	If Inhaled: Remove Person To Fresh Air And Keep Comfortable For Breathing
P337+P313	If Eye Irritation Persists: Get medical Advice/Attention
P312	Call A Poison Center Or Doctor If You Feel Unwell
P342+P311	If Experiencing Respiratory Symptoms: Call A Poison Center/Doctor
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	<15.0%
Modified MDI	Not Disclosed	4.64%
Diphenylmethanediisocyanate	26447-40-5	1.55%
Petroleum Hydrocarbons	64742-95-6	5.04%
Proprietary Ingredients		Balance

#### California Proposition 65 ingredients

Cumene	98-82-8	0.12%
Ethyl Benzene	100-41-4	0.04%
Benzene	71-73-2	
Quartz	14808-60-7	

#### 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	2.56%
Ethyl Benzene	100-41-4	0.04%
Xylene	1330-20-7	0.24%
Cumene	98-82-8	0.12%
Benzene	71-73-2	

### 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: > 68 °C (154.4 °F)

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

For small fires, use water spray, foam, CO<sub>2</sub>, 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 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. 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. 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):

N/D

Water/Oil Distribution

N/A

VOC Content :

34 g/L ( A + B = 35 g/L)

Coefficient:

Percent Volatile:

N / A

Solubility in Water:

Negligible

Freezing Point (°C):

N/A

**Specific Gravity @20° C**

**1.02**

Vapor Pressure @ 20° C

N/A

pH:

N/A

Vapor Density

>air

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

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

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 severe irritation, redness, tearing and blurred vision.

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)  
CERCLA/ Super fund (40 CFR 117,302)

Hazardous	
CASRN	RQ
98-82-8	5000lbs
1330-20-7	1000lbs
100-41-4	100lbs

SARA Extremely Hazardous Substances  
(40 CFR 355)  
SARA Hazard Categories (40 CFR 370)  
SARA Toxic Chemicals (40 CFR 372)

N/A

Health : Delayed; Physical: Fire  
See section III for substance list

Inventory Status

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 substance list

## XVI. Other Information

THE INFORMATION HEREIN HAS BEEN COMPLIED 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: 12/3/2018

# Safety Data Sheet

## I. Product and Company Identification

**PRODUCT:** ISO-FLEX 881 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:



Skin Sensitizer, CAT1; Skin Corrosion/Irritation, CAT 2; Eye Damage/Irritation, CAT 2A;  
STOT-Single Exposure, CAT 3A (Respiratory Irritant); STOT-Single Exposure, CAT 3B CNS



STOT Repeated Exposure, CAT 2 (Liver, Pancreas)

Signal Word: **WARNING**

### Hazard Statements:

H303	May Be Harmful If Swallowed	Acute Toxicity, CAT 5, Oral
H316	Causes Mild Skin Irritation	Skin Corrosion/Irritation Cat 2
H317	May Cause An Allergic Skin Reaction	Skin Sensitizer, Cat 1
H320	Causes Eye Irritation	Eye Damage/Irritation, Cat 2A
H335	May Cause Respiratory Irritation	Stot Single Exposure, Cat 3A (Respiratory Irritant)
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)
H412	Harmful To Aquatic Life With Long Lasting Effects	Long term 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 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
P301+P312	If Swallowed: Call A Poison Center Or Doctor/Physician If You Feel Unwell
P308+P313	If Exposed Or Concerned: Get Medical Advice/Attention
P314	Get Medical Advice/Attention If You Feel Unwell
P331	Do Not Induce Vomiting
P363	Wash Contaminated Clothing Before Reuse
P302 + P362+P353	If On Skin: take Off Contaminated Clothing, Rinse Skin With Water/Shower
P309+P311	If Exposed Or If You Feel Unwell: Call A Poison Center Or Doctor/Physician
P332+P313	If Skin Irritation Occurs, Get Medical Advice/Attention
P337+P313	If Eye Irritation Persists: Get Medical Advice/Attention
P305+P351+P338	If In Eyes: Rinse Cautiously With Water For Several Minutes, Remove Contact Lenses If Present And Easy To Do. Continue Rinsing.
P304+P340+P314	If Inhaled: Remove Person To Fresh Air And Keep Comfortable For Breathing, Get Medical Advice/Attention If You Feel Unwell.
P391	Collect Spillage
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	15-25%
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

**Flash Point:** > 166 °C ( 330.8 °F )

**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**

For small fires, use water spray, foam, CO<sub>2</sub>, 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 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 In Well Ventiated Areas, Keep Away From Flames Or Sources Of Sparks.

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. 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

<b>Boiling Point (°C):</b>	<b>N/D</b>	Water/Oil Distribution	N/A
<b>VOC Content :</b>	<b>104 g/L ( A + B = 35 g/L )</b>	Coefficient:	
Percent Volatile:	0%	Solubility in Water:	Ca 10%
Freezing Point (°C):	N/A	<b>Specific Gravity @ 20° C</b>	<b>1.33</b>
Vapor Pressure @ 20° C	N/A	pH:	N/A
Vapor Density	>air	Evaporation Rate:	N/A
Odor Threshold:	N/A	<b>Odor:</b>	<b>Mild</b>
<b>Appearance:</b>	<b>pigmented liquid</b>		
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

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

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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

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