

# Safety Data Sheet

## I. Product and Company Identification

**PRODUCT:** ISO-FLEX 880GB, 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:



Acute Toxicity, CAT 3, Inhale



Resp Sensitizer, CAT 1; Carcinogenicity, CAT 1B; Germ Cell Mutagenicity, CAT 1B

Signal Word: **DANGER**

### Hazard Statements:

|      |   |   |
|------|---|---|
| H227 | Combustible Liquid  | Flammable Liquid, Cat 4                       |
| H316 | Causes Mild Skin Irritation   | Skin Corrosion/Irritation Cat 3               |
| H317 | May Cause An Allergic Skin Reaction                                       | Skin Sensitizer, Cat 1                        |
| H320 | Causes Eye Irritation   | Eye Damage/Irritation, Cat 2B                 |
| H331 | Toxic If Inhaled  | Acute Toxicity, Cat 3                         |
| 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, NE         |
| H340 | May Cause Genetic Defects   | Germ Cell Mutagenicity, Cat 1B                |
| H350 | May Cause Cancer  | Carcinogenicity, Cat 1B                       |
| 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   |
| 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  |
| 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 +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  |
| P332+P313        | If Skin Irritation Occurs, Get Medical Advice/Attention   |
| P337+P313        | If Eye Irritation Persists: Get Medical Advice/Attention  |
| P370+P378        | In Case Of Fire: Use Carbon Dioxide, Foam, Dry Chemical, Water Fog To Extinguish  |
| 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

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> |
|-------------------------|---------------|----------------|
| Magnesium Silicate      | 14807-96-6    | <25.0%         |
| Petroleum Hydrocarbons  | 64742-95-6    | 3.15%          |
| Proprietary Ingredients |               | Balance        |

#### California Proposition 65 Ingredients

|                      |            |        |
|----------------------|------------|--------|
| Toluene Diisocyanate | 26471-62-5 | <1.0%  |
| Cumene               | 98-82-8    | 0.075% |
| Furan                | 110-00-9   |        |
| Propylene oxide      | 75-56-9    |        |
| Benzene              | 71-73-2    |        |

#### 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)

|                        |            |        |
|------------------------|------------|--------|
| Toluene Diisocyanate   | 26471-62-5 | <1.0%  |
| 1,2,4-trimethylbenzene | 95-63-6    | 1.6%   |
| Xylene                 | 1330-20-7  | 0.15%  |
| Cumene                 | 98-82-8    | 0.075% |
| Furan                  | 110-00-9   |        |
| Propylene oxide        | 75-56-9    |        |
| 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: ( 175.2 °F )

Method: Pensky Marten 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. 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 In A 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             |
| <b>Volatile Organic Content:</b> | <b>Part A: 55 g/l<br/>A+B: 45 g/l</b> | Solubility in Water:                | Negligible      |
| Freezing Point (°C):             | N/A                                   | <b>Specific Gravity @20° C</b>      | <b>1.18</b>     |
| Vapor Pressure @ 20° C           | 9.5                                   | pH:                                 | N/A             |
| Vapor Density                    | >air                                  | Evaporation Rate:                   | N/A             |
| Odor Threshold:                  | N/A                                   | <b>Odor:</b>                        | <b>Aromatic</b> |
| <b>Appearance:</b>               | <b>Cream colored liquid</b>           |                                     |                 |
| 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**

### INTERNATIONAL

Proper Shipping Name **NOT REGULATED**

Hazard Class

I.D. Number

Label(s)

## XV. Regulatory Information

OSHA Hazard Communication Standard  
(29 CFR 1910.1200)  
CERCLA/ Super fund (40 CFR 117,302)

Hazardous

N/A

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

N/A

SARA Toxic Chemicals (40 CFR 372)  
Inventory Status

Health : Immediate

Physical: Delayed, reactive

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: 01/02/2019

# Safety Data Sheet

## I. Product and Company Identification

**PRODUCT:** ISO-FLEX 880GB, 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, CAT 1A; STOT Single Exposure, CAT 3, RTI, NE/CNS;  
Skin Corrosion/Irritation CAT 2



Carcinogenicity, CAT 1B; Reproduction Toxicity, CAT 1B;  
STOT Repeated Exposure, CAT 2; Germ Cell Mutagenicity, CAT 1B

Signal Word: **DANGER**

Hazard Statements:

|      |  |                                    |
|------|--|------------------------------------|
| H227 | Combustible Liquid   | Flammable Liquid, Cat 4            |
| H315 | Causes Skin Irritation   | Skin Corrosion/Irritation Cat 2    |
| H317 | May Cause An Allergic Skin Reaction                                  | Skin Sensitizer, Cat 1A            |
| H320 | Causes Eye Irritation  | Eye Damage/Irritation, Cat 2B      |
| H333 | May Be Harmful If Inhaled  | Acute Toxicity, Cat 5, Inhale      |
| H335 | May Cause Respiratory Irritation                                     | STOT Single Exposure, Cat 3, RTI   |
| H336 | May Cause Drowsiness or Dizziness                                    | STOT Single Exposure, Cat 3 NE/CNS |
| H340 | May Cause Genetic Defects  | Germ Cell Mutagenicity, Cat 1B     |
| H350 | May Cause Cancer   | Carcinogenicity, Cat 1B            |
| H360 | May Damage Fertility Or<br>The Unborn Child                          | Reproduction Toxicity, Cat 1B      |
| H373 | May Cause Damage To Organs Through<br>Prolonged Or repeated Exposure | Stot Repeated Exposure, 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  |
| P210             | Keep Away From Heat, Hot Surfaces, Sparks, Open Flames And Other Ignition Sources<br>No Smoking                                 |
| 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   |
| 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   |
| P309+P311        | If Exposed Or If You Feel Unwell: Call A Poison Center Or Doctor  |
| 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  |
| 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+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**

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> |
|-------------------------|---------------|----------------|
| Triethylene Glycol      | 112-27-6      | 25-45%         |
| Proprietary Ingredients |               | Balance        |

#### California Proposition 65 ingredients

|               |          |
|---------------|----------|
| 1,4-dioxane   | 123-91-1 |
| Ethyl Benzene | 100-41-4 |

#### 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)

|               |          |
|---------------|----------|
| 1,4-dioxane   | 123-91-1 |
| Ethyl Benzene | 100-41-4 |

## 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: 82 °C ( 179.6 °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

Carbon Dioxide, foam, dry chemical, 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.

## 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 In a Cool And Dry 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/Av                             | Water/Oil Distribution Coefficient: | N/A         |
| <b>Volatile Organic Content:</b> | <b>B: 14 g/l<br/>A+B: 45 g/l</b> | Solubility in Water:                | Ca 10%      |
| Freezing Point (°C):             | N/Av                             | <b>Specific Gravity @20° C</b>      | <b>1.32</b> |
| Vapor Pressure @ 20° C           | N/Av                             | pH:                                 | N/A         |
| Vapor Density                    | >air                             | Evaporation Rate:                   | N/A         |
| Odor Threshold:                  | N/A                              | <b>Odor:</b>                        | <b>Mild</b> |
| <b>Appearance:</b>               | <b>Light yellow 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, bases, amines and mercaptans may initiate polymerization possible hazardously.

### Hazardous Decomposition Products

Will not occur when handled per instructions. Excessive heat and fume generation can occur if handled incorrectly.

### Conditions To Avoid

## XI. Toxicity Information

HMIS Hazard Rating No. 1

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

### Effects Of Overexposure

### Inhalation:

Minimal inhalation hazard with industrial use

### Eyes:

Contact can cause mild irritation.

### Skin Contact:

Prolonged or repeated exposure may cause mild skin irritation.

### Ingestion:

Not expected to be a relevant route of exposure although abdominal discomfort, nausea, and vomiting may occur.

### 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**

## XV. Regulatory Information

OSHA Hazard Communication Standard  
(29 CFR 1910.1200)  
CERCLA/ Super fund (40 CFR 117,302)

Hazardous

None

SARA Extremely Hazardous Substances  
(40 CFR 355)

None

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

Health : Immediate

See section III for list of 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 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: 12/3/2018