

Safety Data Sheet

I. Product and Company Identification

PRODUCT: ISO-FLEX PRIMER 55 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

Signal Word: **DANGER**

Hazard Statements:

| | | |
|------|---|--|
| H315 | Causes 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 2B |
| H331 | Toxic if Inhaled | Acute Toxicity, Cat 4, Inhale |
| H332 | Harmful If Inhaled | Acute Toxicity, Cat 5, Inhale |
| 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, Respiratory Irritant |

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 |
| 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 |
| P285 | In Case Of Inadequate Ventilation Wear Respiratory Protection |
| P301 +P315 | If Swallowed: Get Immediate Medical Advice/Attention |
| 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 |

| | |
|----------------|---|
| P305+P351+P338 | Advice/Attention If You Feel Unwell. 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 |
| P330 | Rinse Mouth |
| P331 | Do Not Induce Vomiting |
| P332+P313 | If Skin Irritation Occurs, Get Medical Advice/Attention |
| P333+P313 | If Skin Irritation Or Rash Occurs, Get Medical Advice/Attention |
| P337+P313 | If Eye Irritation Persists: Get Medical Advice/Attention |
| P363 | Wash Contaminated Clothing Before Reuse |
| 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> |
|-----------------------------------|----------------------|-----------------------|
| Modified MDI | Not Disclosed | <15% |
| 4,4' Diphenylmethane Diisocyanate | 101-68-8 | 30-60% |
| Diphenylmethane-2,4' Diisocyanate | 5873-54-1 | 7-13% |
| Proprietary Ingredients | | Balance |

California Proposition 65 ingredients

None

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)

| | | |
|-----------------------------------|-----------|--------|
| 4,4' Diphenylmethane Diisocyanate | 101-68-8 | 30-60% |
| Diphenylmethane-2,4' Diisocyanate | 5873-54-1 | 7-13% |

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. 2

Flash Point: >200.0 °F

Method: Tag C.C.

General Hazard: Decomposition and combustion products may be toxic.

Auto-Ignition Temp.: Not Available

Limits of Flammability

LEL: 0.9% (solvent)

UEL: 6.0% (solvent)

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, and clean up residue with absorbent material. This product is heavier than and insoluble in water. Wash down area using a soap solution and allow 30 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 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/A | Water/Oil Distribution Coefficient: | N/A |
| Percent Volatile: | < 100 g / L) = Pt. A Pt.A+Pt.B = < 340 g/L | Solubility in Water: | Negligible |
| Freezing Point (°C): | N/A | Specific Gravity @20° C | ~ 1.19 |
| Vapor Pressure @ 20° C | N/A | pH: | N/A |
| Vapor Density | >air | Evaporation Rate: | N/A |
| Odor Threshold: | N/A | Odor: | Musty |
| Appearance: | Amber clear liquid | | |
| 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:

DOT, NOT REGULATED

SINGLE CONTAINER LESS THAN 5000 LBS., DOT NOT REGULATED.

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)
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

See section 313 advisory in section II

The chemicals in this product are listed on the US
TSCA Chemical Substance Inventory and the
Canadian Domestic Substances List.

4,4' Diphenylmethane diisocyanate
CAS # 101-68-8, RQ is 5000 lbs.

REPORTABLE QUANTITY = 5000 LBS. (MDI)
SINGLE CONTAINER, IF SINGLE CONTAINER
LESS THAN 5000 LBS. THEN
NOT REGULATED.

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: 10/22/2015

Safety Data Sheet

I. Product and Company Identification

PRODUCT: ISO-FLEX PRIMER 55 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:



Flammable Liquid, CAT 3



STOT Repeated exposure, CAT 2, Liver, Kidney, CNS; Germ Cell Mutagenicity, CAT 1B;
Carcinogenicity, CAT 2; Aspiration Hazard, CAT 1



Long Term Aquatic Environmental Hazard, CAT 2



Acute Toxicity Inhalation, CAT 3

Signal Word: **DANGER**

Hazard Statements:

| | | |
|------|---|--|
| H226 | Flammable Liquid And Vapor | Flammable Liquid, Cat 3 |
| H304 | May Be Fatal If Swallowed And Enter Airways | Aspiration Hazard, Cat1 |
| H315 | Causes Skin Irritation | Skin Corrosion/Irritation Cat 2 |
| H319 | Causes Serious Eye Irritation | Eye Damage/Irritation, Cat 2A |
| H331 | Toxic if Inhaled | Acute Toxicity, Cat 3 |
| H335 | May Cause Respiratory Irritation | Stot Single Exposure, Cat 3A, Respiratory Irritation |
| H340 | May Cause Genetic Defects | Germ Cell Mutagenicity , Cat 1B |
| H351 | Suspected Of Causing Cancer | Carcinogenicity, Cat 2 |
| H373 | May Cause Damage To Organs Through Prolonged Or repeated Exposure | Stot Repeated Exposure, Cat 2, Liver, Kidney, CNS |
| H401 | Toxic To Aquatic Life | Aquatic Environmental Hazard, Cat 2 |
| H411 | Toxic To Aquatic Life With Long Lasting Effects | Long term Aquatic environmental Hazard, Cat 2 |

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 |
| 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 +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 |
| 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 |
| P362 | Take Off Contaminated Clothing And Wash 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> |
|-------------------------|---------------|----------------|
| Petroleum Hydrocarbons | 64742-95-6 | >99.5% |
| Proprietary Ingredients | | Balance |

California Proposition 65 ingredients

None

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 | 9.28% |
| Xylene | 1330-20-7 | 0.87% |
| Cumene | 98-82-8 | 0.435% |
| Ethyl Benzene | 100-41-4 | 0.145% |

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. 2

Flash Point: > 44°C (112 °F)

Method: Tag C.C.

General Hazard: Decomposition and combustion products may be toxic.

Auto-Ignition Temp.: Not Available

Limits of Flammability

LEL: 0.9% (solvent)

UEL: 6.0% (solvent)

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 30 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 Cool, 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/A | Water/Oil Distribution Coefficient: | N/A |
| Percent Volatile: Pt.A+Pt.B = < 340 g/L | (~ 870 g / L) = Pt. B (1 QUART UNIT - EXEMPT) | Solubility in Water: | Negligible |
| Freezing Point (°C): | N/A | Specific Gravity @20° C | 0.875 |
| Vapor Pressure @ 20° C | N/A | pH: | N/A |
| Vapor Density | >air | Evaporation Rate: | N/A |
| Odor Threshold: | N/A | Odor: | Aromatic |
| Appearance: N/A = Not Available | Clear Liquid 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: **This product is not regulated by DOT in containers of 119 gallon capacity or less.***

INTERNATIONAL

| | | | |
|-----------------------|--|----------|-----------|
| Proper Shipping Name: | Flammable liquid, N.O.S (petroleum distillate) | | |
| Hazard Class | 3 PG III | | |
| I.D. Number | UN 1993 | Label(s) | Flammable |

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 II 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: 10/22/2015