

Safety Data Sheet

I. Product and Company Identification

PRODUCT: ISO-FLEX 760 LOCKCOAT ALIPHATIC PT 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 1A; Aspiration Hazard, CAT 1



Acute Toxicity, CAT 2, Inhale;



Eye Damage/Irritation, CAT 1

Signal Word:

DANGER

Hazard Statements:

H227	Combustible Liquid	Flammable Liquid, Cat 4
H302	Harmful If Swallowed	Acute Toxicity, Cat 4, Oral
H330	Fatal if Inhaled	Acute Toxicity, Cat 2, Inhale
H315	Causes Skin Irritation	Skin Corrosion/Irritation Cat 2
H318	Causes Serious Eye Damage	Eye Damage/Irritation, Cat 1
H334	May Cause Allergy Or Asthma Symptoms Or Breathing Difficulties If Inhaled	Resp Sensitizer, Cat 1
H317	May Cause An Allergic Skin Reaction	Skin Sensitizer, CAT 1A
H371	May Cause Damage To Organs	STOT Single Exposure, Cat 3 (RTI, CNS)
H304	May Be Fatal If Swallowed and Enters Airways	Aspiration Hazard, Cat 1

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
P210	Keep Away From Heat, Hot Surfaces, Sparks, Open Flames And Other Ignition Sources No Smoking
P280	Wear Protective Gloves/Protective Clothing/Eye Protection/Face Protection
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 Work Clothing Should Not Be Allowed Our Of the Work Place
P273	Avoid Release To The Environment
P284	Wear Respiratory Protection
P285	In Case Of Inadequate Ventilation Wear Respiratory Protection
P331	Do Not Induce Vomiting
P370+P378	In Case Of Fire: Use Foam Carbon Dioxide Or Dry Chemical
P301+P315	If Swallowed: Get Immediate Medical Advice/Attention
P302 + P362+P353	If On Skin: take Off Contaminated Clothing, Rinse Skin With Water/Shower
P308+P313	If Exposed Or Concerned: Get Medical Advice/Attention
P332+P313	If Skin Irritation Occurs, Get Medical Advice/Attention
P305+P351+P315	If In Eyes: Rinse Cautiously With Water For Several Minutes, Get Immediate Medical Advice/Attention
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
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/Regulation

III. Composition/Information on Ingredients

<u>Ingredients:</u>	<u>CAS #:</u>	<u>CONTENT</u>
Polyurethane Prepolymer	Proprietary	>65.0%
Magnesium Silicate	14807-96-6	<15.0%
Titanium Dioxide	13463-67-7	< 5.0%
Trimethyl Pentanediol Diisobutyrate	6846-50-0	< 9.0%
Hydrotreated Heavy Naptha (Petroleum)	64742-48-9	< 5.0%

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)

Isophorone Diisocyanate	4098-71-9	<1%
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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.

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. 1

Flash Point: 179°F (81.7 °C)

Method: Pensky Martin C.C.

General Hazard: Decomposition and combustion products may be toxic.

Auto-Ignition Temp.: Not Available

Limits of Flammability

LEL: N/A

UEL: N/A

Extinguishing Media

Use foam, carbon dioxide, or dry chemical.

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 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

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 location 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
Volatile Organic Content US EPA method 24	50 g / L Part A only 79 g / L Part A + Part B	Solubility in Water:	Reacts in water

Freezing Point (°C):	N/A	Specific Gravity @20° C	1.09
Vapor Pressure @ 20° C	N/A	pH:	N/A
Vapor Density	>1	Evaporation Rate:	N/A
Odor Threshold:	N/A	Odor:	Aliphatic
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, alcohol, amines, bases and acids

Hazardous Decomposition Products

Oxides of Carbon; nitrogen and HCN. 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, skin and eye contact.

Effects Of Overexposure

Inhalation:

Vapors may be irritating to the upper respiratory tract.

Eyes:

Contact can cause severe irritation.

Skin Contact:

Irritating to the skin. In some individuals it may cause sensitization.

Ingestion:

May cause permanent damage to the mouth throat and stomach.

Chronic:

Repeated skin exposure may cause irritation and allergic dermatitis. Repeated inhalation may cause allergic sensitization of the respiratory tract, resulting in coughing, wheezing, shortness of breath, chest tightness, and other asthma like symptoms that may be life threatening.

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.

DOT Proper Shipping Name **Not Regulated**

DOT Hazard Class

DOT I.D Number

XV. Regulatory Information

OSHA Hazard Communication Standard
(29 CFR 1910.1200)

See Section II

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)

See section III, 313 supplier notification

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 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: 9/14/2016

Safety Data Sheet

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For Non-Emergency Questions,
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(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:



Reproduction Toxicity, CAT 1B; STOT Repeated Exposure, CAT 2, Pancreas;
Aspiration Hazard, CAT 1



Skin Corrosion/Irritation, CAT 1C



Aquatic Environmental Hazard, CAT 1

Signal Word:

DANGER

Hazard Statements:

H227	Combustible Liquid	Flammable Liquid, Cat 4
H302	Harmful If Swallowed	Acute Toxicity, Cat 4, Oral
H304	May be Fatal If Swallowed And Enters Airways	Aspiration Hazard, Cat 1
H313	May Be Harmful in Contact With Skin	Acute Toxicity, Cat 5, Dermal
H314	Causes Severe Skin Burns	Skin Corrosion/Irritation Cat 1C
H317	May Cause An Allergic Skin Reaction	Skin Sensitizer, Cat 1A
H319	Causes Serious Eye Irritation	Eye Damage/Irritation, Cat 2A
H335	May Cause Respiratory Irritation	Single Stot Exposure, Cat 3, RTI
H336	May Cause Drowsiness Or Dizziness	Stot Single Exposure, Cat3, CNS, NE
H360	May Damage Fertility Or The Unborn Child	Reproduction Toxicity, Cat 1B

H373	May Cause Damage To Organs Through Prolonged Or Repeated Exposure	Stot Repeated Exposure, Cat 2, Pancreas
H410	Very Toxic To Aquatic Life With Long Lasting Effects	Chronic Aquatic Environmental Hazard, Cat 1

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
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 Equipment As
P285	In Case Of Inadequate Ventilation Wear Respiratory Protection
P301 +P312	If Swallowed: Call A Poison Center Or Doctor/Physician If You Feel Unwell
P330	Rinse Mouth
P331	Do Not Induce Vomiting
P302 + P362+P353	If On Skin: take Off Contaminated Clothing, Rinse Skin With Water/Shower
P308+P313	If Exposed Or Concerned: Get Medical Advice/Attention
P332+P313	If Skin Irritation Occurs, Get Medical Advice/Attention
P305+P351+P315	If In Eyes: Rinse Cautiously With Water For Several Minutes, Get Immediate Medical Advice/ Attention
P304+P340+P314	If Inhaled: Remove Person To Fresh Air And Keep Comfortable For Breathing, Get Medical Advice/Attention If You Feel Unwell.
P370+P378	In Case Of Fire: Use Foam, Carbon Dioxide, Dry Chemical, Water Spray Or Fog
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>
Cyclohexanemethanamine	54914-37-3	20-40%
Diethyltoluenediamine	68479-98-1	20-40%
N-Methylpyrrolidone	872-50-4	<24%
Proprietary Ingredients		Balance

California Proposition 65 ingredients

N-Methyl pyrrolidone	872-50-4
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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)

N-Methyl pyrrolidone	872-50-4
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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: 77.2 °C (171 °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

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. 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):	200 *C @ 53mmHg	Water/Oil Distribution Coefficient:	N/A
Volatile Organic Content US EPA method 24	174 g / L Part B only 79 g / L Part A + Part B	Solubility in Water:	Reacts slowly
Freezing Point (°C):	N/A	Specific Gravity @20° C	0.947
Vapor Pressure @ 20° C	N/A	pH:	N/A
Vapor Density	>1	Evaporation Rate:	N/A
Odor Threshold:	N/A	Odor:	Pungent
Appearance:	Clear Amber liquid		
N/A = Not Available	N/D=NOT Determined	Ca. = Approximate	

X. Stability And Reactivity

HMIS Hazard Rating No. 1

Stability

Stable

Incompatibility:

Oxidizing materials, water, cotton waste, or other combustible materials.

Hazardous Decomposition Products

Isophorone diamine, Isobutyraldehyde (in case of hydrolysis)

Conditions To Avoid

Oxidizing materials, water, cotton waste, or other combustible materials.

XI. Toxicity Information

HMIS Hazard Rating No. 2

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

Effects Of Overexposure

Inhalation:

Minimal inhalation hazard with industrial use

Eyes:

May cause permanent damage.

Skin Contact:

Irritating to the skin.

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, and 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 **Amine, Liquid, Corrosive, N.O.S (blocked diamine)**
DOT Hazard Class **8 (Corrosive material) PG III**
DOT I.D Number **UN 2735** **Label(s)** **8 (corrosive)**

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)	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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