

Safety Data Sheet

I. Product and Company Identification

PRODUCT: LYMTAL 320H 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:



Eye Damage/Irritation, CAT 1



Flammable Liquid, CAT 3



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

Signal Word:

DANGER

Hazard Statements:

H226	Flammable Liquid And Vapor	Flammable Liquid, Cat 3
H315	Causes Skin Irritation	Skin Corrosion/Irritation Cat 2
H317	May Cause An Allergic Skin Reaction	Skin Sensitizer, Cat 1
H318	Causes Serious Eye Damage	Eye Damage/Irritation, Cat 1
H332	Harmful If Inhaled	Acute Toxicity, Cat 4, 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 3, RTI
H336	May Cause Drowsiness Or Dizziness	Stot Single Exposure, Cat 3, Narcotic Effects
H340	May Cause Genetic Defects	Germ Cell Mutagenicity, Cat 1B
H350	May Cause Cancer	Carcinogenicity, Cat 1
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, Olfactory

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
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
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
P284	Wear Respiratory 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
P310	Immediately Call A Poison Center Or Doctor
P330	Rinse Mouth
P331	Do Not Induce Vomiting
P332+P313	If Skin Irritation Occurs, Get Medical Advice/Attention
P342+P311	If Experiencing Respiratory Symptoms, Call A Poison Center Or Doctor
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>
Petroleum Asphalt	8052-42-4	<30%
Petroleum Hydrocarbons	64742-95-6	13.36%
Toluene Diisocyanate	26471-62-5	<1.0%
1,2,4-Trimethylbenzene	95-63-6	6.78%
Xylene	1330-20-7	.363%
Cumene	98-82-8	.318%

California Proposition 65 ingredients

Toluene Diisocyanate	26471-62-5	<1.0%
1,2,4-Trimethylbenzene	95-63-6	6.78%
Cumene	98-82-8	.318%
Butyl Benzyl phthalate	85-68-7	<1.0%

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	6.78%
Xylene	1330-20-7	.363%
Cumene	98-82-8	.318%

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: > 100 °F (37.8° C)

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, 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 manner which 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/D	Water/Oil Distribution Coefficient:	N/A
Volatile Organic Content:	226 g/l	Solubility in Water:	Negligible
Freezing Point (°C):	N/A	Specific Gravity @20° C	1.07
Vapor Pressure @ 20° C	N/A	pH:	N/A
Vapor Density	>air	Evaporation Rate:	N/A
Odor Threshold:	N/A	Odor:	Aromatic
Appearance:	Black 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 **NOT REGULATED**
This product is not regulated by DOT in containers of 119 gallon capacity or less. *

INTERNATIONAL(NON-BULK):

Proper Shipping Name	Petroleum Distillate, n.o.s. (Petroleum Naphtha)		
Hazard Class	3 , PG III		
I.D. Number	UN1268	Label(s)	Flammable

XV. Regulatory Information

OSHA Hazard Communication Standard (29 CFR 1910.1200)	Hazardous
CERCLA/ Super fund (40 CFR 117,302)	CASRN 26471-62-5 RQ: 100 lbs
SARA Extremely Hazardous Substances (40 CFR 355)	N/A
SARA Hazard Categories (40 CFR 370) Section 311/ 312	Health : Immediate Physical: Delayed, reactive
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: 09/27/2018

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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 Corrosion/Irritation, CAT 1C; Eye Damage/Irritation, CAT 1



Aquatic Environmental Hazard, CAT 1; Long Term Aquatic Environmental Hazard, CAT 1



Germ Cell Mutagenicity, CAT 2; Reproduction Toxicity, CAT 1B; STOT Single Exposure, CAT 1; STOT Repeated Exposure, CAT 1, Lung, CNS, Liver, Kidney, Thyroid, Cardiovascular, Testicular, Ovarian

Signal Word: **DANGER**

Hazard Statements:

H302	Harmful If Swallowed	Acute Toxicity, Cat 4, Oral
H313	May Be Harmful in Contact With Skin	Acute Toxicity, Cat 5, Dermal
H314	Causes Severe Skin Burns And Eye Damage	Skin Corrosion/Irritation Cat 1C
H317	May Cause An Allergic Skin Reaction	Skin Sensitizer, Cat 1
H318	Causes Serious Eye Damage	Eye Damage/Irritation, Cat 1
H341	Suspected of Causing Genetic Defects	Germ Cell Mutagenicity, Cat 2
H360	May Damage Fertility Or The Unborn Child	Reproduction Toxicity, Cat 1B
H370	Causes Damage To Organs	Stot Single Exposure, Cat 1
H372	May Cause Damage To Organs Through Prolonged Or Repeated Exposure	Stot Repeated Exposure, Cat 1, Lung, CNS, Liver, Kidney, Thyroid, Cardiovascular, Testicular, Ovarian

H400	Very Toxic To Aquatic Life	Aquatic Environmental Hazard, Cat 1
H410	Very Toxic To Aquatic Life With Long Lasting Effects	Long term 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
P201	Obtain Special Instructions Before Use
P202	Do Not Handle Until All Safety Precautions Have Been Read And Understood
P233	Keep Container Tightly Closed
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 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/Physician
P330	Rinse Mouth
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
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>
N,N'-Dialkylaminodiphenyl-Methane	5285-60-9	<50%
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)

None

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: 149°C (300°F)

Method: Pensky Martin C.C.

Auto-Ignition Temp.: Not Available

Limits of Flammability: LEL: Not Available

UEL: Not Available

Extinguishing Media: Carbon dioxide, foam, dry chemical & water fog.

Special Fire & Unusual Hazards: At higher temperature vapors can cause pressure build up in sealed containers. Vapors heavier than air can concentrate, travel to source of ignitions, and flash back. Residue in container can ignite explosively. Vapors generated during a fire are irritating, self-contained breathing apparatus recommended.

VI. Accidental Release Measures

Action To Take For Spills/ Leaks: Ventilate area, eliminate all sources of ignition. Wear appropriate protective gear, contain leak or spill, salvage, and clean up residue with absorbent material.

Waste Disposal Method: Handle disposal of waste material in manner which 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 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 Rubber/Latex gloves. Selection of specific items such as boots and apron will depend on operation. Wear respirator protection whenever airborne concentrations exceed TLV ceilings or TWA, use NIOSH/OSHA approved respirators equipped with an organic vapor cartridge 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):	441	Water/Oil Distribution Coefficient:	N/Av
Percent Volatile:	Ca. 0.1 (226 g/l a+b)	Solubility in Water:	insoluble
Freezing Point (°C):	N/Av	Specific Gravity:	0.98
Vapor Pressure mmHg @25 (°C):	<1	pH:	N/Av
Vapor Density (Air = 1)	10.7	Evaporation Rate:	N/Av
Odor Threshold:	N/Av	Odor:	Pungent
Appearance:	Viscous brown liquid		
N/Av = Not Available	N/Av = Not Applicable	Ca. = Approximate	

X. Stability And Reactivity

HMIS Hazard Rating No. 0

Stability: Stable. Not sensitive to mechanical impact.

Incompatibility: Peroxide, oxidizing, and reducing agents, and sources of ignition.

Hazardous Decomposition Products: Oxides of carbon and nitrogen, and various hydrocarbons from incomplete combustion.

Hazardous Polymerization: Will not occur when handled per instructions.

XI. Toxicity Information

HMIS Hazard Rating No. 1

PRIMARY ROUTE OF ENTRY: Dermal, Eyes.

Effects Of Overexposure

Inhalation:	Inhalation of product vapors or mist may cause irritation of the respiratory tract.
Eyes:	May cause mild irritation.
Skin Contact:	May cause slight irritation.
Skin Absorption:	Absorption through skin is possible and may cause systemic effects.
Ingestion:	Moderately toxic by ingestion. Can cause gastrointestinal irritation, nausea, vomiting, diarrhea, headache and drowsiness.
Chronic:	Product does not contain carcinogenic materials as defined by OSHA Hazardous Communications Act 1910.1200.
	Materials are not known mutagenic, teratogenic, or reproductive health hazards.

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. Landfill if solidified, incineration or dispose at agency approved waste-disposal facilities

XIV. Transport Information

DOT

Not Regulated

International/Air

Not Regulated

XV. Regulatory Information

SARA Section 302:

No reportable materials.

SARA Section 311/312:

Health hazard: Immediate

Physical hazard: None

SARA Section 313:

No reportable materials.

State: California

No reportable materials.

WHMIS Classification:

Class D, Div. 2, Sub B

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.

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