

## LYMAN PRODUCTS

### SAFETY DATA SHEET

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 2015/830),

Date Issued: 10/8/15  
Date Revised: 5/16/19  
Revision Number: Rev 1

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

##### 1.1 Product Identifier

**Trade Name:** Lyman Case Lube  
**Product Number:** 7631301

##### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Product Use:** Case Lubricating Solution

**Restrictions on Use:** None known

##### 1.3 Details of the Supplier of the Safety Data Sheet

**Manufacturer:** Lyman Products  
475 Smith Street  
Middletown, CT 06457 USA  
**Information Phone Number:** (860) 632-2020  
**E-mail:**

##### 1.4 Emergency Telephone Number

**Emergency Spill Information:** For Hazardous Materials [or Dangerous Goods] Incident  
Spill, Leak, Fire, Exposure, or Accident  
Call ChemTel Inc. Day or Night  
Within the USA and Canada: 1-800-255-3924 or  
Outside the USA at +1-813-248-0585 (collect calls accepted)  
Shipments within: Australia – 1-300-954-538, Brazil 0-800-591-6042, China 400-120-0751, India 000-800-099-0731  
**Reference Contract Number: MIS3953100**

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1 Classification of the Substance or Mixture

**US Hazard Classification (29CFR 1910.1200-2012):** Eye Damage Category 1, Skin Corrosion Category 1, Aspiration Hazard Category 1.

##### **GHS/CLP (1272/2008) Classification:**

Eye Damage Category 1 (H318), Skin Corrosion Category 1 (H314), Aspiration Hazard Category 1 (H304).

##### 2.2 Label Elements

Danger!



Contains: Distillates (petroleum), hydrotreated heavy naphthenic and Sodium Sulfonate.

**Hazard Statements**

**Precautionary Phrases**

<p>H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage.</p> <p style="text-align: center;"><b>Precautionary Phrases Continued</b></p> <p>P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 Immediately call a POISON CENTER or doctor. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water. P363 Wash contaminated clothing before reuse. P310 Immediately call a POISON CENTER or doctor. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a POISON CENTER or doctor. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor.</p>	<p>P260 Do not breathe mists or vapors. P264 Wash thoroughly after handling. P280 Wear protective gloves, protective clothing, eye protection and face protection.</p> <p>P405 Store locked up. P501 Dispose of contents and container in accordance with local and national regulations.</p>
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### 2.3 Other Hazards: None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture

Chemical Name	CAS#	EINECS#	GHS/CLP Classification	% w/w
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	265-155-0	Aspiration Hazard Category 1 (H304).	30-60
(Z)-9-Octadecen-1-ol ethoxylated	9004-98-2	500-016-2	Eye Irritation Category 2A (H319)	1-5
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	265-157-1	Aspiration Hazard Category 1 (H304).	1-5
Sodium Sulfonate	Trade secret	Trade secret	Skin Corrosive Category 1 (H314) Eye Damage Category 1 (H318)	1-5
2-aminoethanol	141-43-5	205-483-3	Skin Corrosive Category 1B (H314) Eye Damage Category 1 (H318) STOT SE 3 (H335) Acute Toxicity Category 4 (H302, H312, H332) Acute Aquatic Toxicity Category 3 (H402) Chronic Aquatic Toxicity Category 3 (H412)	<2

The exact percentage and composition is a trade secret.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of First Aid Measures

**Eye:** Flush eyes thoroughly with water for at least 20 minutes. Get immediate medical attention.

**Skin:** Remove contaminated clothing and launder before reuse. Wash contact area with soap and water for at least 15 minutes. Get immediate medical attention.

**Inhalation:** Remove to fresh air. If breathing becomes difficult, administer oxygen. If breathing has stopped, administer artificial respiration. Get immediate medical attention.

**Ingestion:** DO NOT induce vomiting. If the victim is fully conscious, have them rinse their mouth with water. Get medical assistance by calling a doctor or poison center. Never give anything by mouth to a person who is unconscious or drowsy.

### 4.2 Most important symptoms and effects, both acute and delayed: Causes serious eye damage. Causes severe skin irritation

and burns. May cause severe respiratory irritation. Aspiration hazard – may enter the lungs during swallowing or vomiting and cause serious lung damage, which may be fatal. Ingestion may cause gastrointestinal irritation and burns.

**4.3 Indication of any immediate medical attention and special treatment needed:** Immediate medical treatment is required for all routes of exposure.

#### SECTION 5: FIRE AND EXPLOSION DATA

**5.1 Extinguishing Media:** Use water fog, foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

**5.2 Special Hazards Arising from the Substance or Mixture**

**Unusual Fire and Explosion Hazards:** Not Classified as flammable or combustible, but will burn under fire conditions.

**Combustion Products:** Thermal decomposition or combustion may generate oxides of carbon and nitrogen.

**5.3 Advice for Fire-Fighters:**

**Special Fire Fighting Procedures:** Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**

Ventilate the area. Keep unprotected persons away. Prevent contact with skin, and eye. Avoid contact with clothing. Wear protective equipment as prescribed in this SDS.

**6.2 Environmental Precautions:**

Avoid release to the environment. Report spills and releases as required to appropriate authorities.

**6.3 Methods and Material for Containment and Cleaning Up:**

Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. In the case of disposal, spilled material or contaminated material should be disposed of as waste as described in Section 13.

**6.4 Reference to Other Sections:** Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

#### SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for Safe Handling:** Prevent contact with skin, and eye. Avoid contact with clothing. Wash thoroughly after handling. Launder contaminated clothing before reuse. Use with good industrial hygiene practices. Wear appropriate personal protective equipment.

**7.2 Conditions for Safe Storage, Including any Incompatibilities:** Store locked up in a cool, dry area away from incompatible materials. Keep away from children.

**7.3 Specific end use(s):** Case Lubricating Solution.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control Parameters:** Refer to country-specific legislation for specific requirements where not listed below.

Chemical Name	Exposure Limits
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m <sup>3</sup> TWA ACGIH TLV (Oil mist) 5 mg/m <sup>3</sup> TWA OSHA PEL (Inhalable)
(Z)-9-Octadecen-1-ol ethoxylated	None established
Distillates (petroleum), hydrotreated heavy paraffinic	5 mg/m <sup>3</sup> TWA ACGIH TLV (Oil mist) 5 mg/m <sup>3</sup> TWA OSHA PEL (Inhalable)
Sodium Sulfonate	None established.
2-aminoethanol	3 ppm TWA ACGIH TLV, 6 ppm STEL 3 ppm TWA OSHA PEL

	1 ppm TWA EU OEL, 3 ppm STEL 1 ppm TWA UK WEL, 3 ppm STEL 2 ppm TWA DFG MAK (inhalable aerosol), 4 ppm STEL (inhalable aerosol) 1 ppm TWA, 3 ppm STEL France 8 mg/m <sup>3</sup> TWA, 15 mg/m <sup>3</sup> STEL China 3 ppm TWA, 6 ppm STEL South Korea
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**8.2 Exposure Controls:**

**Appropriate Engineering Controls:** General exhaust ventilation should be adequate to maintain exposures below the occupational exposure limits.

**Respiratory Protection:** None required for normal use. If occupational exposures are exceeded an approved respirator may be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

**Skin Protection:** Wear impervious gloves to prevent skin contact.

**Eye Protection:** Wear chemical safety goggles if eye contact is possible.

**Other Protective Equipment:** Wear other protective equipment as necessary to avoid contact with skin and clothing.

<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>
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**9.1 Information on basic Physical and Chemical Properties**

<b>Appearance:</b> Liquid	<b>Vapor Density:</b> No data available
<b>Odor:</b> Not determined	<b>Specific Gravity:</b> 1.01
<b>Odor Threshold:</b> No data available	<b>Solubility:</b> Insoluble in water
<b>pH:</b> No data available	<b>Octanol/Water Partition Coefficient:</b> No data available
<b>Melting Point/Freezing Point:</b> No data available	<b>Autoignition Temperature:</b> No data available
<b>Boiling Point:</b> >100°F (>37.78°C)	<b>Decomposition Temperature:</b> No data available
<b>Flash Point:</b> 383°F (195°C)	<b>Viscosity:</b> Not applicable
<b>Evaporation Rate:</b> (butyl acetate = 1) 0	<b>Explosive Properties:</b> Not explosive
<b>Flammable Limits:</b> LEL: No data available UEL: No data available	<b>Oxidizing Properties:</b> Not an oxidizer
<b>Vapor Pressure:</b> 0 mm Hg	<b>Flammability (solid, gas):</b> Not applicable

**9.2 Other Information:** None available

<b>SECTION 10: STABILITY AND REACTIVITY</b>
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**10.1 Reactivity:** Not reactive under regular storage and handling conditions.

**10.2 Chemical Stability:** Stable under regular storage and handling conditions.

**10.3 Possibility of Hazardous Reactions:** None expected.

**10.4 Conditions to Avoid:** Contact with incompatible Materials.

**10.5 Incompatible Materials:** Strong acids, bases and oxidizers.

**10.6 Hazardous Decomposition Products:** Thermal decomposition or combustion may generate oxides of carbon and nitrogen.

<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>
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**11.1 Information on Toxicological Effects:**

**Potential Health Effects:**

**Eye Contact:** Contact causes severe eye irritation, burns and possible permanent damage.

**Skin Contact:** Causes severe irritation with possible burns.

**Inhalation:** Inhalation of mist or vapor causes nose, throat and respiratory irritation.

**Ingestion:** Ingestion may cause gastrointestinal irritation and burns.

**Acute Toxicity Values:**

Product ATE: Oral LD50 >5000 mg/kg, Dermal LD50 >5000 mg/kg

Distillates (petroleum), hydrotreated heavy naphthenic: Oral rat LD50 >5000 mg/kg.

(Z)-9-Octadecen-1-ol ethoxylated: Oral rat LD50 2700 mg/kg.

Distillates (petroleum), hydrotreated heavy paraffinic: Oral rat LD50 >5000 mg/kg, Dermal rabbit LD50 >2000,

Inhalation rat LC50 2.18 mg/L/4 hr.

Sodium Sulfonate: No toxicity data available.

2-aminoethanol: Oral rat LD50 1515 mg/kg, Dermal rabbit LD50 2504, Inhalation rat LC50 > 1.3 mg/L/6 hr.

**Skin corrosion/irritation:** No data available for mixture. Product is classified as a skin corrosive.

**Eye damage/irritation:** No data available for mixture. Product is classified as causing eye damage.

**Respiratory Irritation:** No data available for mixture. Product is not classified as a respiratory irritant but may cause irritation.

**Respiratory Sensitization:** No data available for mixture. Product is not classified as a skin sensitizer.

**Skin Sensitization:** No data available for mixture. Product is not classified as a respiratory sensitizer.

**Germ Cell Mutagenicity:** No data available for mixture. Product is not classified as a germ cell mutagen.

**Carcinogenicity:** None of the components of this product present at 0.1% or greater are listed as carcinogens by OSHA, IARC, NTP, ACGIH and the EU CLP.

**Reproductive Toxicity:** No data available for mixture. Product is not classified as a reproductive toxin.

**Aspiration Hazard:** No data available for mixture. Product is classified as an aspiration hazard.

**Specific Target Organ Toxicity:**

Single Exposure: No data available

Repeat Exposure: No data available.

<b>SECTION 12: ECOLOGICAL INFORMATION</b>
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**12.1 Toxicity**

Distillates (petroleum), hydrotreated heavy naphthenic: NOEL: Pimephales promelas (Fathead minnow) >100 mg/L/96 hr.

NOEL: Daphnia magna >1000 mg/ L / 48 hr.

Distillates (petroleum), hydrotreated heavy paraffinic: NOEL: Pimephales promelas (Fathead minnow) >100 mg/L/96 hr.

NOEL: Daphnia magna >1000 mg/ L / 48 hr.

2-aminoethanol: LC50 Brachydanio rerio 3682 mg/L/ 96 hr; EC50 Daphnia magna 65 mg/ L / 48 hr.

**12.2 Persistence and Degradability:**

Distillates (petroleum), hydrotreated heavy naphthenic: Not inherently biodegradable

Distillates (petroleum), hydrotreated heavy paraffinic: Not inherently biodegradable

2-aminoethanol: Readily biodegradable.

**12.3 Bioaccumulative Potential:**

2-aminoethanol: Not expected to exhibit a significant bioaccumulation potential.

**12.4 Mobility in Soil:** No data available.

**12.5 Results of PBT and vPvB Assessment:** Not required.

**12.6 Other Adverse Effects:** None known.

<b>SECTION 13: DISPOSAL CONSIDERATIONS</b>
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**13.1 Waste Treatment Methods:**

Dispose in accordance with all local, state and national regulations.

<b>SECTION 14: TRANSPORTATION INFORMATION</b>
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	<b>14.1 UN Number</b>	<b>14.2 UN Proper Shipping Name</b>	<b>14.3 Hazard Class(s)</b>	<b>14.4 Packing Group</b>	<b>14.5 Environmental Hazards</b>
<b>US DOT</b>	UN1760	Corrosive liquid n.o.s.	8	II	No.
<b>Canadian TDG</b>	UN1760	Corrosive liquid n.o.s.	8	II	No.
<b>EU ADR/RID</b>	UN1760	Corrosive liquid n.o.s.	8	II	No.
<b>IMDG</b>	UN1760	Corrosive liquid n.o.s.	8	II	No.
<b>IATA/ICAO</b>	UN1760	Corrosive liquid n.o.s.	8	II	No.

**14.6 Special Precautions for User:** Exempted from packaging in containers 30 kg or less.

**14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

<b>SECTION 15: REGULATORY INFORMATION</b>
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**15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:**

**U.S. FEDERAL REGULATIONS:**

**CERCLA 103 Reportable Quantity:** This product has no RQ, however, oil spills must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**SARA TITLE III:**

**Hazard Category for Section 311/312:** Acute Health

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on TSCA.

**STATE REGULATIONS:**

**California Proposition 65:** This product contains the following substances known to the State of California to cause cancer, birth defects or other reproductive harm: None

**INTERNATIONAL REGULATIONS:**

**Canadian Environmental Protection Act:** All of the components are listed or exempted from the Canadian Domestic Substances List. (DSL)

**European Union:** Please contact your supplier for information on the inventory status of this material.

**Australia:** At least one component is not on the Australian Inventory of Chemical Substances (AICS).

**China:** Not determined.

**Korea:** At least one component is not on the Korean Existing Chemical List (KECL).

**Japan:** At least one component is not on the Japanese Existing and New Chemical Substances List (ENCS).

**New Zealand:** At least one component is not on the New Zealand Inventory of Chemicals (NZIoC).

**Philippines:** At least one component is not on the Philippine Inventory of Chemicals and Chemical Substances (PICCS).

**German WGK:** 1

<b>SECTION 16: OTHER INFORMATION</b>
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**HMIS Ratings:** Health - 3                      Flammability - 1                      Physical Hazard - 0  
**NFPA Ratings:** Health - 3                      Flammability - 1                      Instability - 0

**Date of Current Revision:** 10/7/15  
**Revision Summary:** New document.  
**Date of Previous:** Revision: None

**GHS Classification for Reference (See Sections 2 and 3):**

STOT SE 3 Specific Target Organ Toxicity - Single Exposure Category 3

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H402 Harmful to aquatic life.
- H412 Harmful to aquatic life with long lasting effects

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This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide.  
Lyman Products shall not be held liable for any damage resulting from handling or from contact with the above product.