

LYMAN PRODUCTS

SAFETY DATA SHEET

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

1.1 Product Identifier

Trade Name	Lyman Turbo Sonic Gun Lube (One Gallon)
Product Number	7631735
SDS Date of Preparation	01/27/2013

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

Product Use:	Liquid lubricant used in Ultrasonic Cleaning Machines for Weapons
---------------------	---

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	Domestic North America: (860) 632-2020
------------------------------------	--

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

GHS/CLP (1272/2008) Classification:

Flammable Liquid Category 4
Aspiration Category 1

EU Classification (1999/45/EC):

Xn R65

2.2 Label Elements



DANGER

Contains Solvent naphtha (petroleum), medium aliphatic
H227 Combustible liquid
H304 May be fatal if swallowed and enters airways.

Prevention

P210 Keep away from flames and hot surfaces. No smoking.
P280 Wear protective gloves and eye protection.

Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor
P331 Do NOT induce vomiting.
P370 + P378 In case of fire: Use dry chemical, CO2 or foam to extinguish.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal

P501 Dispose of contents and container in accordance with national and local regulations.

2.3 Other Hazards: None**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures**

Chemical Name	CAS#	EINECS#	EU Classification (67/548/EEC)	GHS/CLP Classification	% w/w
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	265-191-7	Xn R65	Flammable Liquid Category 4 (H227) Aspiration Category 1 (H304)	>90

The exact percentage is a trade secret

SECTION 4: FIRST AID MEASURES**4.1 Description of First Aid Measures**

Eye: Rinse thoroughly with water. Get medical attention if irritation occurs and persists.

Skin: Wash contact area with soap and water. Get medical attention if irritation or symptoms of exposure develop.

Inhalation: If irritation or other symptoms develop, move to fresh air. If symptoms persist, get medical attention.

Ingestion: DO NOT induce vomiting. Immediately call a Poison Center or physician.

4.2 Most Important symptoms and effects, both acute and delayed: May cause eye, skin, and respiratory irritation. Inhalation of high vapor concentrations may cause headache and dizziness. This product may be aspirated into the lungs during swallowing or vomiting and cause serious lung damage.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate treatment is required for ingestion.

SECTION 5: FIRE AND EXPLOSION DATA

5.1 Extinguishing Media: Use universal foam, carbon dioxide or dry chemical. Do not use water as this may spread the fire.

5.2 Special Hazards Arising from the Substance or Mixture

Unusual Fire and Explosion Hazards: Combustible liquid. Moderate fire and explosion hazard. Closed containers may explode from pressure if heated.

Combustion Products: Oxides of carbon.

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:**

Eliminate all sources of ignition and ventilate the area. Wear appropriate protective clothing.

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:

Contain and collect with an inert absorbent material such as commercial oil absorbent. Place into a container for disposal. Clean spill area thoroughly.

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: Keep away from heat, sparks, pilot lights, hot surfaces, flames and all other sources of ignition. DO NOT HEAT DURING USE. Do not smoke while using. Do not swallow. Avoid breathing vapors. Avoid contact with the eyes, skin and clothing. Use only in a well-ventilated area. Wash thoroughly with soap and water after handling. Keep container closed when not in use. Do not mix with other chemicals. Do not reuse empty containers. **KEEP OUT OF REACH OF CHILDREN.**

THIS PRODUCT IS NOT INTENDED FOR USE IN HEATED ULTRASONIC CLEANING MACHINES. TURN OFF HEAT BEFORE USE. FAILURE TO DO SO MAY RESULT IN FIRE AND INJURY.

Empty containers retain product residues and may be hazardous. Handle empty containers in compliance with all label and MSDS warnings.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry area away from excessive heat and direct sunlight. Store away from oxidizers and strong acids.

7.3 Specific end use(s): None specified

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
Solvent naphtha (petroleum), medium aliphatic	500 ppm TWA OSHA PEL 1000 mg/m ³ TWA, 1500 mg/m ³ STEL France 1500 mg/m ³ TWA, 3000 mg/m ³ STEL Germany (AGS)

8.2 Exposure Controls:

Ventilation: Local exhaust ventilation recommended above the cleaner or work area.

Respiratory Protection: None required for normal use with adequate ventilation. If needed, an approved organic vapor 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: Impervious gloves should be used for prolonged or repeated contact. Consult a glove supplier for selection of a glove that will provide adequate protection from permeation and degradation.

Eye Protection: Safety glasses or goggles recommended if eye contact is possible.

Other Protective Equipment: Wear impervious protective clothing if needed to avoid contact and contamination of personal clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
--

9.1 Information on basic Physical and Chemical Properties

Appearance: Clear orange liquid	Vapor Density: Greater than 1
Odor: Hydrocarbon	Specific Gravity: 0.78
Odor Threshold: No data available	Solubility: Insoluble in water
pH: Not applicable	Octanol/Water Partition Coefficient: No data available
Melting Point/Freezing Point: No data available	Autoignition Temperature: No data available
Boiling Point: 176-182°C (350-360°F)	Decomposition Temperature: No data available
Flash Point: 63°C (146°F) Tag CC	Viscosity: 1.8 mm ² /sec @25°C
Evaporation Rate: No data available	Explosive Properties: Vapors may be explosive in confined areas
Flammable Limits: LEL: No data available UEL: No data available	Oxidizing Properties: None
Vapor Pressure: No data available	Flammability (solid, gas): Not applicable

9.2 Other Information: None available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not reactive

10.2 Chemical Stability: Stable

10.3 Possibility of Hazardous Reactions: Reaction with strong oxidizers may cause fire.

10.4 Conditions to Avoid: Keep away from heat and flames.

10.5 Incompatible Materials: Strong oxidizers and acids.

10.6 Hazardous Decomposition Products: Combustion will produce oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on Toxicological Effects:****Potential Health Effects:**

Eye Contact: May cause mild eye irritation with redness and tearing. Corneal injury is unlikely.

Skin Contact: May cause irritation and dryness with prolonged or repeated exposure.

Inhalation: Inhalation of high vapor concentrations may cause headache and dizziness.

Ingestion: Not expected to be acutely toxic. This product may be aspirated into the lungs during swallowing or vomiting and cause serious lung damage..

Acute Toxicity Values:

Solvent naphtha (petroleum), medium aliphatic: LD50 oral rat >5000 mg/kg; LD50 dermal rabbit >2000 mg/kg; LC50 inhalation rat >5.28 mg/L (no adverse effects observed at highest concentration tested)

Skin corrosion/irritation: No data available for mixture. Components are not skin irritants.

Eye damage/irritation: No data available for mixture. Components are not eye irritants.

Respiratory Irritation: No data available for mixture. Components are not respiratory irritants.

Respiratory Sensitization: No data available for mixture. Components are not skin sensitizers.

Skin Sensitization: No data available for mixture. Components are not respiratory sensitizers.

Germ Cell Mutagenicity: No data available for mixture. Components are not germ cell mutagens.

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. The highly refined mineral oil consists of types shown to be non-carcinogenic in animal skin painting studies.

Reproductive Toxicity: No data available for mixture. Components are not reproductive toxins.

Specific Target Organ Toxicity:

Single Exposure: No data available

Repeat Exposure: No data available.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Solvent naphtha (petroleum), medium aliphatic: LC50 salmo gairdneri 800 mg/L/96 hr; EC50 daphnia magna >100 mg/L/48 hr; ErC50 selenastrum capricornutum (algae) 450 mg/L/96 hr.

12.2 Persistence and Degradability: Solvent naphtha (petroleum), medium aliphatic was readily biodegradable in some studies and not in others.

12.3 Bioaccumulative Potential: No data available

12.4 Mobility in Soil: No data available

12.5 Results of PBT and vPvB Assessment: Not required

12.6 Other Adverse Effects: Non known

SECTION 13: DISPOSAL CONSIDERATIONS
--

13.1 Waste Treatment Methods:

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

SECTION 14: TRANSPORTATION INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	None	Not regulated in non-bulk packagings*	N/A	N/A	None
Canadian TDG	None	Not regulated	N/A	N/A	None
EU ADR/RID	None	Not regulated	N/A	N/A	None
IMDG	None	Not regulated	N/A	N/A	None
IATA/ICAO	None	Not regulated	N/A	N/A	None

* In bulk packagings, the following shipping description applies: UN1268, Petroleum Distillates, Combustible Liquid, III

14.6 Special Precautions for User: Not applicable

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

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA, however oils spills are reportable to the National Response Center. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Acute Health, Fire Hazard

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

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 chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

INTERNATIONAL REGULATIONS:

US EPA TSCA Inventory: All of the components are listed on the TSCA inventory.

Canadian Environmental Protection Act: All of the components are listed on the Canadian Domestic Substances List.

European Union: All of the components are listed on the European Inventory of New and Existing Chemical Substances (EINECS) inventory.

Australia: All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).

China: All of the ingredients of this product are listed on the Inventory of Existing Chemical Substance in China (IECSC).

Korea: All of the components of this product are listed on the Korean Existing Chemical List (KECL).

Japan: All of the components of this product are listed on the Japanese Existing and New Chemical Substances List (ENCS).

New Zealand: One or more of the components of this product are not listed on the New Zealand Inventory of Chemicals (NZIoC).

Philippines: All of the components of this product are listed on the Philippine Inventory of Chemicals and Chemical Substances (PICCS).

German WGK: 2

SECTION 16: OTHER INFORMATION

HMIS Ratings: Health - 1	Flammability - 2	Physical Hazard - 0
NFPA Ratings: Health - 1	Flammability - 2	Stability - 0

SDS Revision History:

11/20/2012: New SDS

01/27/2013: Added International Inventory Information Section 15.

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

H227 Combustible liquid

H304 May be fatal if swallowed and enters airways.

EU Classes and Risk Phrases for Reference (See Sections 2 and 3):

Xn Harmful

R65 Harmful: may cause lung damage if swallowed.

=====
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.