



Material Safety Data Sheet

Revision Date 21-Mar-2014

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 90400
Product name LPA II
Recommended Use Lubricant
Supplier Lawson Products, Inc.
8770 W.Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
1-866-529-7664
Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Extremely flammable. Contents under pressure. Irritant. Harmful by inhalation.

Aggravated Medical Conditions

None Known.

Principal Routes of Exposure

Inhalation. Eyes. Skin contact.

Potential health effects

Eyes May cause the following effects: Irritation. Redness. Itching. Burning sensation.

Skin Repeated or prolonged exposure may cause: Skin Irritation. Redness. Itching. Burning sensation.

Inhalation Repeated or prolonged exposure may cause the following effects: Upper respiratory tract irritation. Headaches. Dizziness. Nausea. Loss of coordination. Extreme overexposure may cause. Central nervous system depression. Possible unconsciousness. Death. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	10-30

Petroleum distillates, hydrotreated light	64742-47-8	10-30
Butane	106-97-8	10-30
Propane	74-98-6	7-13
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	5-10
Sulfonic acids, petroleum, barium salts	61790-48-5	< 1

4. FIRST AID MEASURES

Eye contact Flush with plenty of water for at least 15 minutes. Seek medical attention.

Skin contact Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.

Ingestion Do Not induce vomiting. Immediate medical attention is required.

Inhalation Remove from exposure. Restore breathing. Keep warm and quiet.

5. FIRE FIGHTING MEASURES

Flash point °C < -17
Flash point °F < 0
Method Not Applicable

Autoignition temperature °C Not Applicable
Autoignition temperature °F Not Applicable

Flammability Limits (% in Air)

Upper 9.5
Lower 0.7

Specific Information for Aerosol Products

Flame extension 40" w/o extension tube; 46" w/ extension tube
Flashback Yes

Suitable extinguishing media

Carbon dioxide (CO₂). Dry chemical powder. Foam.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire and Explosion Hazards

Containers exposed to extreme heat may burst. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Water spray may be ineffective. If water is used, fog nozzles are preferable.

Hazardous decomposition products

See Section 10.

Sensitivity to shock

No information available.

Sensitivity to static discharge

Yes. Take precautionary measures against static discharges.

6. ACCIDENTAL RELEASE MEASURES**Methods for cleaning up**

Eliminate all sources of ignition. Ventilate area to maintain exposure below permissible exposure limits. Soak up with inert absorbent material.

7. HANDLING AND STORAGE**Handling**

Avoid breathing vapors or mists. Keep in a well-ventilated place. Vapors may accumulate readily and may ignite explosively. Turn off other sources of ignition prior to use and until all vapors have dissipated. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Ground and bond containers when transferring material. Keep away from open flame. Do not smoke. Check to make sure that all equipment is properly grounded and installed to satisfy electrical classification requirements. Contents under pressure. Do not puncture or incinerate. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of reach of children.

Storage

Store in temperatures below 120 degrees F (50 degrees C). Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight. Keep away from heat. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Butane	800 ppm	-	-	1000 ppm
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
Petroleum distillates, hydrotreated light	-	-	-	-
Solvent naphtha (petroleum), medium aliphatic	100 ppm	-	-	-

Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-
Sulfonic acids, petroleum, barium salts	-	-	-	-

Ventilation and Environmental Controls

Use enough ventilation, local exhaust at the work area, general, or both, to keep below the TLV's in the worker's breathing zone and the general area. Local: recommended.

Hygiene measures

Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing.

Respiratory protection

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Wear a NIOSH approved organic vapor/particulate respirator.

Hand Protection

Gloves are not required in normal use. The following glove(s) are recommended to prevent prolonged or repeated contact: Chemical resistant gloves.

Eye protection

Safety glasses with side-shields.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Colorless
Odor	Solvent
Odor Threshold	Not Applicable
pH	Not Applicable
Specific Gravity	0.74
Vapor pressure	Not Applicable
Density	6.15 lb/gal, 736g/l
Vapor density	>1 (air=1)
Evaporation Rate	>1 (ether = 1)
Water solubility	No data available
VOC Content	37.9%
Partition Coefficient (n-octanol/water)	Not Applicable
Boiling point/range °C	< -18 - 237
Boiling point/range °F	< 0 - 460
Melting point/range °C	Not Applicable
Melting point/range °F	Not Applicable
Flash point °C	< -17
Flash point °F	< 0

10. STABILITY AND REACTIVITY**Stability**

Stable.

Conditions to avoid

None known.

Incompatibility

None.

Hazardous Decomposition Products

Carbon dioxide. Carbon monoxide. Barium oxide.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Butane 106-97-8	-	-	658 g/m ³
Propane 74-98-6	-	-	658 mg/L
Petroleum distillates, hydrotreated light 64742-47-8	5000 mg/kg	2000 mg/kg	5.2 mg/L
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	5000 mg/kg	3000 mg/kg	5.28 mg/L
Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5	28710 mg/kg	-	-
Sulfonic acids, petroleum, barium salts 61790-48-5	-	-	-

Synergistic Products

None known

Specific Hazards

Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Potential health effects**Sensitization**

None known

Chronic toxicity

None known

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

None known

Target Organ Effects

See Section 2

Carcinogenic effects

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated light	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Solvent naphtha (petroleum), medium aliphatic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Sulfonic acids, petroleum, barium salts	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Petroleum distillates, hydrotreated heavy naphthenic

Water Flea Data*Daphnia magna* EC50 > 1000 mg/L (48 h)

Solvent naphtha (petroleum), medium aliphatic

Water Flea Data*Daphnia magna* hEC50 48 (>100 mg/L)**13. DISPOSAL CONSIDERATIONS****Disposal Information**

As supplied, this product is a RCRA Hazardous Waste. Waste must be tested for ignitability to determine EPA hazardous waste numbers. Do not puncture or incinerate. Depressurize before disposal. Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION**DOT**

Consumer commodity, ORM-D.

TDG

Consumer commodity, ORM-D.

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Sulfonic acids, petroleum, barium salts	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Butane	Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed
Petroleum distillates, hydrotreated light	Not Listed	Not Listed	Not Listed
Solvent naphtha (petroleum), medium aliphatic	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed
Sulfonic acids, petroleum, barium salts	Not Listed	Not Listed	Not Listed

WARNING: This product contains a chemical(s) known to the state of California to cause cancer

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Butane	X	X	-	X
Propane	X	X	-	X
Petroleum distillates, hydrotreated light	X	X	-	X
Solvent naphtha (petroleum), medium aliphatic	X	X	-	X
Petroleum distillates, hydrotreated heavy naphthenic	X	X	-	X
Sulfonic acids, petroleum, barium salts	X	X	-	X

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

HMIS

Health - 2
 Flammability - 4
 Physical Hazard - 0

Prepared By

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.