



Material Safety Data Sheet

Revision Date 29-Oct-2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 90399
Product name LPA I
Recommended Use Lubricant
Supplier Lawson Products, Inc.
1666 East Touhy Avenue
Des Plaines, IL 60018
(847)-827-9666

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Flammable. Irritant. Harmful if swallowed.

Color Colorless

Odor Solvent

Form Aerosol

Aggravated Medical Conditions None Known.

Principal Routes of Exposure Eyes. Skin contact. Inhalation.

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. Headaches. Dizziness. Nausea. Upper respiratory tract irritation. Central nervous system effects. Loss of coordination. Extreme overexposure may cause. Possible unconsciousness. Death.

Ingestion May be harmful if swallowed. Urinary system effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propane	74-98-6	3-7
Butane	106-97-8	10-30
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	7-13
Kerosene	8008-20-6	30-60
Residual oils (petroleum), solvent dewaxed	64742-62-7	0.5-1.5
Distillates (petroleum), solvent refined light naphthenic	64741-97-5	10-30

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. Consult a physician.

5. FIRE FIGHTING MEASURES

Flash point °C	< -17
Flash point °F	< 0
Method	No information available

Autoignition temperature °C	No data available
Autoignition temperature °F	No data available

<u>Flammability Limits (% in Air)</u>	
Upper	9.5
Lower	0.7

Suitable extinguishing media
Carbon dioxide (CO₂). Dry chemical. 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

Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion do not breathe fumes. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

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

Keep in a well-ventilated place. Turn off other sources of ignition prior to use and until all vapors have dissipated. Vapors may accumulate readily and may ignite explosively. Remove all sources of ignition. 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. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Kerosene	-	-	200 mg/m ³ application restricted to conditions in which there are negligible aerosol exposures	-
Distillates (petroleum), solvent refined light naphthenic	-	-	-	-
Butane	800 ppm	-	1000 ppm	-
Solvent naphtha (petroleum), medium aliphatic	100 ppm	-	-	-
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
Residual oils (petroleum), solvent dewaxed	-	-	-	-

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

Hygiene measures

Wash hands before breaks and immediately after handling the product.

Other precautions

Avoid contact with the skin and the eyes Avoid breathing vapors or mists

Personal protective equipment

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. For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves. .

Eye protection

Wear safety glasses with side shields.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

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Form	Aerosol	Color	Colorless
Odor	Solvent	Odor Threshold	No information available
pH	7	Specific Gravity	0.76
Vapor pressure	No data available	Vapor density	>1 (air=1)
Evaporation Rate	>1 (ether = 1)	VOC Content	75.90%
Water solubility	No data available	Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °F	< 0 - 572	Boiling point/range °C	< -18 - 300
Melting point/range °F	No data available	Melting point/range °C	No data available
Flash point °F	< 0	Flash point °C	< -17

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

None known.

Incompatibility

None.

Hazardous Decomposition Products

Carbon dioxide. Carbon monoxide.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
<i>Kerosene</i> 8008-20-6	5000 mg/kg	2000 mg/kg	5.28 mg/L
<i>Distillates (petroleum), solvent refined light naphthenic</i> 64741-97-5	5000 mg/kg	2000 mg/kg	2.18 mg/L
<i>Butane</i> 106-97-8	-	-	658 g/m ³
<i>Solvent naphtha (petroleum), medium aliphatic</i> 64742-88-7	5000 mg/kg	3000 mg/kg	5.28 mg/L
<i>Propane</i> 74-98-6	-	658 mg/kg	-

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Residual oils (petroleum), solvent dewaxed 64742-62-7	5000 mg/kg	2000 mg/kg	2.18 mg/L

Synergistic Products

None known

Potential health effects**Sensitization**

None known

Chronic toxicity

See Section 2 . Repeated and prolonged exposure to solvents may cause brain and nervous system damage.

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

None known

Target Organ Effects

Long term exposure to vapor may cause liver damage. Urinary system.

Carcinogenic effects

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Kerosene	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Distillates (petroleum), solvent refined light naphthenic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Butane	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
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Residual oils (petroleum), solvent dewaxed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Specific Hazards

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

12. ECOLOGICAL INFORMATION

No Information Available

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.

Waste from residues / unused products

Dispose in accordance with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT

UN1950 Aerosols, flammable, (Propane/Butane), Class 2.1

Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

TDG

UN1950 AEROSOLS, flammable (Propane/Butane), Class 2.1 (Consumer commodity, ORM-D)

IMDG/IMO

UN1950 AEROSOLS (Propane/Butane), Class 2.1

IATA

UN1950 Aerosols, flammable (Propane/Butane), Class 2.1

MEX

UN1950 AEROSOLS (Propano/Butano),2.1

15. REGULATORY INFORMATION

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Kerosene	Listed	Listed	Not Listed
Distillates (petroleum), solvent refined light naphthenic	Not Listed	Not Listed	Not Listed
Butane	Listed	Listed	Not Listed
Solvent naphtha (petroleum), medium aliphatic	Not Listed	Not Listed	Not Listed
Propane	Listed	Listed	Not Listed
Residual oils (petroleum), solvent dewaxed	Not Listed	Not Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Kerosene	X	X	-	X
Distillates (petroleum), solvent refined light naphthenic	X	X	-	X
Butane	X X	X	-	X
Solvent naphtha (petroleum), medium aliphatic	X	X	-	X
Propane	X	X	-	X
Residual oils (petroleum), solvent dewaxed	X	X	-	X

CPRC

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

NFPA		HMIS	
Health	-	Health	2
Flammability	-	Flammability	4
Reactivity	-	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.