



Material Safety Data Sheet

Revision Date 02-May-2014

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 90399
Product name LPA I
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. Central nervous system depression. Extreme overexposure may cause. Liver damage. Urinary system effects. 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 % |
|---|------------|----------|
| Kerosene | 8008-20-6 | 30-60 |
| Petroleum distillates, solvent dewaxed heavy paraffinic | 64742-65-0 | 10-30 |

| | | |
|---|------------|---------|
| Butane | 106-97-8 | 10-30 |
| Solvent naphtha (petroleum), medium aliphatic | 64742-88-7 | 7-13 |
| Propane | 74-98-6 | 3-7 |
| Distillates (petroleum), solvent refined light naphthenic | 64741-97-5 | 0.5-1.5 |
| Residual oils (petroleum), solvent dewaxed | 64742-62-7 | 0.5-1.5 |
| Barium Dinonlyaphthalene Sulfonate | 25619-56-1 | < 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. Consult a physician.

5. FIRE FIGHTING MEASURES

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

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

Flammability Limits (% in Air)
Upper 9.5
Lower 0.7

Flame extension 30" w/o extension tube; 36" 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

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. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Ground transfer equipment. Do not take internally. Keep out of reach of children.

Storage

Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight. Keep away from open flames, hot surfaces and sources of ignition. Store in temperatures below 120 degrees F (50 degrees C). 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) |
|---|------------------------------------|--------------------|-----------------------|------------------|
| Propane | 1000 ppm 1800 mg/m ³ | - | 1000 ppm | - |
| Butane | 800 ppm | - | - | 1000 ppm |
| Solvent naphtha (petroleum), medium aliphatic | 100 ppm | - | - | - |
| Kerosene | - | - | 200 mg/m ³ | - |

| | | | | |
|---|---|---|---|---|
| Petroleum distillates, solvent dewaxed heavy paraffinic | - | - | - | - |
| Distillates (petroleum), solvent refined light naphthenic | - | - | - | - |
| Residual oils (petroleum), solvent dewaxed | - | - | - | - |
| Barium Dinonyaphthale ne Sulfonate | - | - | - | - |

Ventilation and Environmental Controls

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

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.

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

Wear 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 | No information available |
| pH | 7 |
| Specific Gravity | 0.76 |
| Vapor pressure | No data available |
| Density | 6.30 lb/gal, 754 g/l |
| Vapor density | >1 (air=1) |
| Evaporation Rate | >1 (ether = 1) |
| Water solubility | No data available |
| VOC Content | 48.9% |
| Partition Coefficient (n-octanol/water) | No data available |
| Boiling point/range °C | < -18 - 300 |
| Boiling point/range °F | < 0 - 572 |
| Melting point/range °C | No data available |
| Melting point/range °F | No data available |

9. PHYSICAL AND CHEMICAL PROPERTIES

Flash point °C < -17
Flash point °F < 0

10. STABILITY AND REACTIVITY

Stability
Stable.

Conditions to avoid
None known.

Incompatibility
None.

Hazardous Decomposition Products

When heated beyond normal or when burned, this product will liberate forms of: 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) |
|---|------------------|---------------------------|------------------------|
| Propane 74-98-6 | - | - | 658 mg/L |
| Butane 106-97-8 | - | - | 658 g/m ³ |
| Solvent naphtha (petroleum), medium aliphatic 64742-88-7 | 5000 mg/kg | 3000 mg/kg | 5.28 mg/L |
| Kerosene 8008-20-6 | 5000 mg/kg | 2000 mg/kg | 5.28 mg/L |
| Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0 | - | - | - |
| Distillates (petroleum), solvent refined light naphthenic 64741-97-5 | - | - | - |
| Residual oils (petroleum), solvent dewaxed 64742-62-7 | 5000 mg/kg | 2000 mg/kg | 2.18 mg/L |
| Barium Dinonylphthalene Sulfonate 25619-56-1 | - | - | - |

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

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 |
|---|-------------------------|------------|-------------------------|-----------------------------------|----------------------|
| Propane | 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 |
| Kerosene | A3 | Not Listed | Not Listed | Not Listed | Not Listed |
| Petroleum distillates, solvent dewaxed heavy paraffinic | Not 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 |
| Residual oils (petroleum), solvent dewaxed | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed |
| Barium Dinonylphthalene Sulfonate | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed |

12. ECOLOGICAL INFORMATION

Petroleum distillates, solvent dewaxed heavy paraffinic

Water Flea Data

Daphnia magna EC50 > 1000 mg/L (48 h)

Solvent naphtha (petroleum), medium aliphatic

12. ECOLOGICAL INFORMATION**Water Flea Data***Daphnia magna* hEC50 48 (>100 mg/L)

Distillates (petroleum), solvent refined light naphthenic

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

Residual oils (petroleum), solvent dewaxed

Water Flea Data*Daphnia magna* EC50>1000 mg/L (48 h)**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 |
|------------------------------------|------------------------------------|
| Barium Dinonlyaphthalene Sulfonate | Listed |

State Regulations

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

WARNING: This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm

International Inventories

| Chemical Name | EINECS | DSL | NDSL | TSCA |
|---|--------|-----|------|------|
| Propane | X | X | - | X |
| Butane | X | X | - | X |
| Solvent naphtha (petroleum), medium aliphatic | X | X | - | X |
| Kerosene | X | X | - | X |
| Petroleum distillates, solvent dewaxed heavy paraffinic | X | X | - | X |
| Distillates (petroleum), solvent refined light naphthenic | X | X | - | X |
| Residual oils (petroleum), solvent dewaxed | X | X | - | X |
| Barium Dinonlyaphthalene Sulfonate | 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.