

LPA®-142 Solvent

Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Trade name LPA®-142 Solvent
Synonyms Paraffinic Naphthenic Solvent, Aliphatic Solvent
Use Industrial, Water treatment chemical, Paint and Coatings, Industrial & Institutional cleaning

Manufacturer/Supplier Sasol North America Inc.

Address 900 Threadneedle, Ste 100, Houston, TX 77079

Telephone	CHEMTREC North America Transportation Emergency (24-hr)	(800) 424-9300
	CHEMTREC World Wide	(703) 527-3887
	Other Emergencies (24-hr)	(337) 494-5142
	MSDS and Product Information (8:00am-4:30pm CST)	(281) 588-3491
	Health and Safety Information (8:00am-4:00pm CST)	(281) 588-3492

E-mail address info@us.sasol.com

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview

Appearance clear liquid

Odour hydrocarbon-like

Precautions **CAUTION!** COMBUSTIBLE LIQUID AND VAPOR. MAY CAUSE SKIN IRRITATION. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep away from heat and flame.

Environmental precautions Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility. May adsorb to sediments and possibly cause toxic effects to organisms. Slightly biodegradable in water-based tests due to low water solubility.

Potential Health Effects

Eyes Exposure is not expected to cause significant irritation.

Skin Prolonged skin contact may cause skin irritation and/or dermatitis. High standards of skin care and personal hygiene should be exercised at all times.

Inhalation Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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(See Section 11 for Toxicological Information)

SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS-No.</u>	<u>Weight %</u>
Distillates, petroleum, hydrotreated light	64742-47-8	100

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

SECTION 4 FIRST AID MEASURES

- Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated clothing before re-use.
- Inhalation** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.
- Ingestion** If swallowed, call a poison control centre or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES

- Flash point** Average 63 °C ASTM D 56 145 °F
- Autoignition temperature** 233 °C 453 °F
- Flammable limits in air % by volume**
 - Lower explosion limit:** 0.7 %(V)
 - Upper explosion limit:** 7.0 %(V)
- Fire and explosion** NFPA Class IIIA combustible liquid.
- Extinguishing media** Water spray or fog, foam, dry chemical, CO₂.
- Fire fighting instructions** Wear self-contained breathing apparatus and protective suit.
- Further information** Keep containers and surroundings cool with water spray.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7 HANDLING AND STORAGE

Safe handling advice Ensure all equipment is electrically grounded before beginning transfer operations.

Storage/Transport temperature Ambient

Storage/Transport pressure Ambient

Load/Unload temperature Ambient

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES

Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines).

PERSONAL PROTECTIVE EQUIPMENT

Eyes Chemical resistant goggles must be worn. Face-shield

Skin Wear suitable protective clothing, gloves and eye/face protection.

Inhalation Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

EXPOSURE GUIDELINES

Components Exposure limit(s)
Contains no substances with occupational exposure limit values. The following Sasol internal standard would apply: 100 ppm (525) mg/m3) for 8-hour TWA (Exposure limits for Petroleum Distillate - Stoddard Solvent)

PEL= Permissible Exposure Limits
TLV= Threshold Limit Value
EL= Excursion Limit

TWA= Time Weighted Average (8 hr.)
STEL= Short Term Exposure Limit (15 min.)
WEEL= Workplace Environmental Exposure Level

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Colour	clear
Odour	hydrocarbon-like
Form	liquid
Boiling point/boiling range	192 - 211 °C 376 - 412 °F
Vapour pressure	0.32 mm Hg @ 20 °C API Calculation
Vapour density	5.4
Solubility (water)	negligible
Viscosity	2.1 cSt @ 20 °C
Melting point/range	< -70 °C < -94 °F
Density	0.803 g/cm ³ @ 15.5 °C

SECTION 10 STABILITY AND REACTIVITY

Conditions to avoid	Keep away from heat and sources of ignition.
Hazardous decomposition products	Hazardous gases and vapors produced in fire are oxides of carbon.
Store away from other materials.	Oxidizing agents
Hazardous polymerization	None.

SECTION 11 TOXICOLOGICAL INFORMATION

Eyes	Primary irritation (rabbit): 1 hours 3.0 (Maximum score is 110.)
Skin	Primary irritation (rabbit): 1.2 (Maximum score is 8.0.) Acute dermal LD50 (rabbit): 2,000 - 4,000 mg/kg LPA Solvent

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- Inhalation** Acute 4 hours (rat): > 2 mg/l All rats survived at indicated concentration.
Acute LC50 (rat): > 4.3 mg/l
- Ingestion** Acute oral LD50 (rat): > 5,000 mg/kg

CARCINOGENICITY

Contains no ingredient listed as a carcinogen

SECTION 12 ECOLOGICAL INFORMATION

- Aquatic toxicity** Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility. May adsorb to sediments and possibly cause toxic effects to organisms.
- Biodegradation** Slightly biodegradable in water-based tests due to low water solubility.
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SECTION 13 DISPOSAL CONSIDERATIONS

- Waste Code** Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations.
- Disposal methods** Dispose of only in accordance with local, state, and federal regulations.
- Empty containers** Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.
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SECTION 14 TRANSPORT INFORMATION

- DOT** UN 1268, petroleum distillates, n.o.s., Combustible liquid, III
This product is regulated as a hazardous material according to the Department of Transportation in bulk quantities (greater than 119 gallons per package) only.
- IATA** not regulated
- IMDG** not regulated
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SECTION 15 REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA Hazards

Combustible liquid

TSCA Inventory Listing

Components

CAS-No.

Distillates, petroleum, hydrotreated light

64742-47-8

**SARA 302 Status
Components**

CAS-No.

Weight %

Contains no chemicals subject to SARA 302 reporting.

**SARA 311/312 Classification
"Fire hazard"**

**SARA 313 Chemical
Components**

CAS-No.

Weight %

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**CERCLA Hazardous Substance
Components**

Reportable Quantity

Weight %

none

INTERNATIONAL REGULATIONS

Workplace Hazardous Materials Information System (WHMIS) Classification

Class B, Division 3: Combustible liquid.

European Union

Xn: Harmful
 R65 Harmful: may cause lung damage if swallowed.
 R66 Repeated exposure may cause skin dryness or cracking.

Australian Inventory of Chemical Substances (AICS) Listing

Listed

Japanese Minister of International Trade and Industry (MITI) Inventory Listing

Listed

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Canadian Domestic Substance List (DSL) Inventory Listing
Listed

European Inventory of Existing Commercial Chemical Substances (EINECS) Listing
Listed

Philippines Inventory List (PICCS)
Listed

Korean Inventory List
Listed

China Inventory List
Listed

STATE REGULATIONS

California Prop. 65
Components

CAS-No.

none

SECTION 16 OTHER INFORMATION

HAZARD RATINGS

	<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>
HMIS	1	2	0
NFPA	1	2	0

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