

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

<b>Telephone</b>	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, CO<sub>2</sub>.
- 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/m<sup>3</sup> 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

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

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## SECTION 10 STABILITY AND REACTIVITY

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

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## SECTION 11 TOXICOLOGICAL INFORMATION

<b>Eyes</b>	Primary irritation (rabbit): 1 hours 3.0 (Maximum score is 110.)
<b>Skin</b>	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

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**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

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**SECTION 16 OTHER INFORMATION**

**HAZARD RATINGS**

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

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