SAFETY DATA SHEET

SECTION 1  IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade name  LPA®-142 Solvent
Synonyms  Paraffinic Naphthenic Solvent, Aliphatic Solvent
Use  Industrial use, Industrial & Institutional cleaning, Paint and Coatings, Water treatment chemical
Company  Sasol Chemicals (USA) LLC
Telephone  CHEMTREC North America Transportation Emergency (24-hr)  (800) 424-9300
           CHEMTREC World Wide  (703) 527-3887

SECTION 2  HAZARDS IDENTIFICATION

GHS Hazards
- Flammable liquids  Category 4
- Aspiration hazard  Category 1

LABEL ELEMENTS

Hazard symbols

Signal word  Danger

Hazard statements
- H227  Combustible liquid.
- H304  May be fatal if swallowed and enters airways.

Precautionary statements
Prevention
- P210  Keep away from open flames/hot surfaces. - No smoking.
- P280  Wear protective gloves/ eye protection/ face protection.

Response
- P370 + P378  In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.
- P301 + P310  IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P331  Do NOT induce vomiting.

Storage  P403 + P405 + P235  Store locked up in a well-ventilated place. Keep cool.

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Disposal  P501  Dispose of contents/ container to an approved waste disposal plant.

SECTION 3  COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Weight percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, hydrotreated light</td>
<td>64742-47-8</td>
<td>100</td>
</tr>
</tbody>
</table>

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  FIREFIGHTING MEASURES

FLAMMABLE PROPERTIES

Fire/explosion  NFPA Class IIIA combustible liquid.

Suitable extinguishing media  Water spray or fog, foam, dry chemical, CO2

Protective equipment and precautions for firefighters  Wear self-contained breathing apparatus and protective suit.

Further Information  Keep containers and surroundings cool with water spray.

SECTION 6  ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up  Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, distomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
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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 controled below the PEL or TLV for this product (see Exposure Guidelines).

PERSONAL PROTECTIVE EQUIPMENT

Eyes  Wear as appropriate: Goggles, 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  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)

SECTION 9  PHYSICAL AND CHEMICAL PROPERTIES

Appearance  liquid;

Colour  clear

Form  liquid

Odour  hydrocarbon-like

Odour Threshold  no data available

Flash point  Average 63 °C, 145 °F; ASTM D 56;

Flammability  Upper explosion limit: 7.0 % (V)

Lower explosion limit: 0.7 % (V)
LPA®-142 Solvent

**Boiling point/bolling range**
182 - 211 °C, 376 - 412 °F; ASTM D-86;
ASTM D-86;

**Melting point/range**
< -70 °C, < -94 °F; ASTM D-2396;

**Auto-ignition temperature**
233 °C, 453 °F; ASTM E 659;

**Decomposition temperature**
no data available

**Flammability (solid, gas)**
no data available

**Vapour pressure**
0.32 mm Hg @ 20 °C, 68 °F; API Calculation;

**Vapour density**
5.4

**Density**
0.603 g/cm³ @ 15.5 °C, 60 °F; ASTM D-287;

**Specific gravity**
; no data available

**Water solubility**
@ 20 °C, 68 °F; ; negligible;

**Viscosity**
1.8 cSt @ 20 °C, 68 °F; ASTM D 445;

**pH**
no data available

**Evaporation rate**
no data available

**Partition coefficient: n-octanol/water**
no data available

---

**SECTION 10 STABILITY AND REACTIVITY**

**Reactivity**
Stable at normal ambient temperature and pressure.

**Chemical stability**
No decomposition if stored and applied as directed.

**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.

**Materials to avoid**
Oxidizing agents

**Hazardous polymerisation**
None.
### SECTION 11  TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute dermal toxicity</td>
<td>LD50 rabbit: 2,000 - 4,000 mg/kg LPA Solvent</td>
</tr>
<tr>
<td>Acute inhalation toxicity</td>
<td>LC50 rat (4 hours): &gt; 4.3 mg/l</td>
</tr>
<tr>
<td>Acute oral toxicity</td>
<td>LD50 rat: &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Primary irritation (rabbit): 1.2 (Max. score is 8.0.)</td>
</tr>
<tr>
<td>Eye damage/irritation</td>
<td>Primary irritation (rabbit): 1 hours, 3.0 (Max. score is 110.)</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>no data available</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Genotoxicity in vitro: no data available</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>no data available</td>
</tr>
<tr>
<td>Teratogenicity</td>
<td>no data available</td>
</tr>
<tr>
<td>STOT - single exposure</td>
<td>no data available</td>
</tr>
<tr>
<td>STOT - repeated exposure</td>
<td>no data available</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>no data available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Assessment carcinogenicity: Based on available data, the classification criteria are not met.</td>
</tr>
</tbody>
</table>

### SECTION 12  ECOLOGICAL INFORMATION

Aquatic toxicity: Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility.
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Toxicity to fish  no data available
Toxicity to aquatic invertebrates  no data available
Toxicity to algae  no data available
Biodegradation  Readily biodegradable.
OECD Test Guideline 301F (28 d): 97 %
Test substance: LPA® 142 Solvent
Bioaccumulation  no data available
Mobility in soil  no data available
Other adverse effects  no data available

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.

SECTION 14  TRANSPORT INFORMATION

DOT  Not regulated. Product does not sustain combustion (49 CFR 173.120(b)(3)).
IATA  Not regulated.
IMDG  Not regulated.
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SECTION 15 REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA Hazards (HCS 1994)
Combustible liquid.

TSCA Inventory Listing

Components
Distillates, petroleum, hydrotreated light

CAS-No.
64742-47-8

SARA 302 Status
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Classification
"Fire hazard"

SARA 313 Chemical
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.

US. EPA CERCLA Hazardous Substances (40 CFR 302)
one

INTERNATIONAL REGULATIONS

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.

Australia. Inventory of Chemical Substances (AICS)
Listed

Japan. Inventory of Existing and New Chemical Substances (ENCS)
Listed

Japan. Industrial Safety & Health Law (ISHL) Inventory
Listed

Canada. Domestic Substances List (DSL) Inventory
Listed

Canadian Non-Domestic Substance Listing (NDSL)
Not listed

Philippines. Inventory of Chemicals / Chemical Substances (PICCS)
Listed

Korea. Existing Chemicals Inventory (KECI)
Listed

China. Inventory of Existing Chemical Substances (IECSC)
Listed

Mexico. National Inventory of Chemical Substances (INSQ)
Listed
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New Zealand. Inventory of Chemicals (NZIoC)  Listed
Switzerland. Inventory of Notified New Substances (CHINV)  Listed
Taiwan. National Existing Chemical Inventory (NECI)  Listed

Please note: The names and CAS numbers which are used for this product in the stated Inventories may deviate from the information which is listed in Section 3.

STATE REGULATIONS

California Prop. 65
none

SECTION 16 OTHER INFORMATION

HAZARD RATINGS

<table>
<thead>
<tr>
<th>HNIS®</th>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard/ Instability</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>NFPA</td>
<td>1</td>
<td>2</td>
<td>0</td>
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