

## LIAL 125 Alcohol

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

<b>Trade name</b>	LIAL 125 Alcohol	
<b>Synonyms</b>	Isomeric and Linear Alcohol	
<b>Use</b>	Industrial use, Raw material for chemical processes	
<b>Company</b>	Sasol Chemicals (USA) LLC (an affiliate of Sasol Chemicals North America LLC)	
<b>Address</b>	12120 Wickchester Lane, 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
	SDS and Product Information (8:00am-4:30pm CST)	(281) 588 3491
	Health and Safety Information (7:30am-4:00pm CST)	(281) 588 3492
<b>E-mail address</b>	SasolElectronicSDS@us.sasol.com	

### SECTION 2 HAZARDS IDENTIFICATION

<b>OSHA/GHS Hazards</b>	Acute aquatic toxicity	Category 1
	Chronic aquatic toxicity	Category 1

#### LABEL ELEMENTS

##### Hazard symbols



**Signal word** Warning

**Hazard statements** H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

#### Precautionary statements

**Prevention** P273 Avoid release to the environment.

**Response** P391 Collect spillage.

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

## LIAL 125 Alcohol

---

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

---

<u>Components</u>	<u>CAS-No.</u>	<u>Weight percent</u>
Alcohols, C10-16	67762-41-8	50
Alcohols, C14-18	67762-30-5	50

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** Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. In the case of inhalation of aerosol/mist consult a physician if necessary.
- 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 IIIB combustible liquid.

**Suitable extinguishing media** Water spray, Alcohol-resistant foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)

**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** Evacuate personnel to safe areas. Remove all sources of ignition. Material can create slippery conditions. 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). Do not flush into surface water or sanitary sewer system.

---

**LIAL 125 Alcohol**

---

**Spill precautions** Material can create slippery conditions. Do not flush into surface water or sanitary sewer system.

---

**SECTION 7 HANDLING AND STORAGE**

---

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

**Storage/Transport pressure** Ambient

**Load/Unload temperature** 32 - 43 °C  
90 - 110 °F

---

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**ENGINEERING MEASURES**

Ensure adequate ventilation, especially in confined areas.

**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.

---

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

---

**Appearance** liquid;

**Colour** colourless

**Form** liquid

**Odour** sweet pungent

**Odour Threshold** No data available

**Flash point** 132 °C, 270 °F; ASTM D 93;

**Flammability** Upper explosion limit: approximately 6.0 %(V)

**LIAL 125 Alcohol**

---

	Lower explosion limit: approximately 0.5 %(V)
<b>Boiling point/boiling range</b>	261 - 298 °C, 501 - 568 °F;
<b>Melting point/range</b>	Pour point: 6 °C, 42 °F;
<b>Auto-ignition temperature</b>	ca. 252 °C, 485 °F;
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	< 0.04 hPa @ 20 °C, 68 °F;
<b>Vapour density</b>	7.1
<b>Density</b>	0.836 g/cm <sup>3</sup> @ 20 °C, 68 °F;
<b>Relative density</b>	No data available
<b>Water solubility</b>	insoluble
<b>Viscosity</b>	36 cSt @ 20 °C, 68 °F;
<b>pH</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available

---

**SECTION 10 STABILITY AND REACTIVITY**

---

<b>Reactivity</b>	Stable at normal ambient temperature and pressure.
<b>Chemical stability</b>	No decomposition if stored and applied as directed.
<b>Conditions to avoid</b>	Keep away from heat and sources of ignition.
<b>Hazardous decomposition products</b>	Combustion products include carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.
<b>Materials to avoid</b>	Can react with strong oxidizers, inorganic acids, and halogens.

## LIAL 125 Alcohol

**Hazardous polymerisation** None.

---

**SECTION 11 TOXICOLOGICAL INFORMATION**

---

<b>Acute dermal toxicity</b>	LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 402 (literature value)
<b>Acute inhalation toxicity</b>	LC50 Rat (4 hours): > 5 mg/l; dust/mist; OECD Test Guideline 403 (literature value)
<b>Acute oral toxicity</b>	LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 401
<b>Skin corrosion/irritation</b>	(Rabbit): OECD Test Guideline 404 Not irritating
<b>Serious eye damage/eye irritation</b>	(Rabbit): OECD Test Guideline 404 Not irritating
<b>Respiratory or skin sensitisation</b>	Guinea pig: not sensitizing; Maximisation Test (literature value)
<b>Germ cell mutagenicity</b>	<b>Genotoxicity in vitro:</b> In vitro tests did not show mutagenic effects  <b>Genotoxicity in vivo:</b> In vivo tests did not show mutagenic effects  <b>Assessment Mutagenicity:</b> Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	<b>Reproductive toxicity:</b> Rat; Oral; 55-day; OECD Test Guideline 422 NOAEL (parents): 2,000 mg/kg NOAEL (F1): 2,000 mg/kg Test substance: 1-Dodecanol (literature value)  <b>Assessment Reproductive toxicity:</b> Based on available data, the classification criteria are not met.  <b>Teratogenicity:</b> Rat; Oral; OECD Test Guideline 422 NOAEL (teratogen): 2,000 mg/kg NOAEL (maternal): 2,000 mg/kg Test substance: 1-Dodecanol (literature value)

## LIAL 125 Alcohol

---

### Assessment teratogenicity:

Based on available data, the classification criteria are not met.

**STOT - single exposure** The substance or mixture is not classified as specific target organ toxicant, single exposure.

**STOT - repeated exposure** Rat; Oral; NOAEL: 209 mg/kg (literature value)  
Target Organs: Liver  
Based on available data, the classification criteria are not met.

**Aspiration toxicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** **Assessment carcinogenicity:**  
Contains no ingredient listed as a carcinogen

---

## SECTION 12 ECOLOGICAL INFORMATION

---

**Aquatic toxicity** Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

**Toxicity to fish** LL50 (Oncorhynchus mykiss (rainbow trout)) 96 hours; semi-static test; OECD Test Guideline 203  
In the range of water solubility not toxic under test conditions.  
(literature value)

**Toxicity to aquatic invertebrates** EC50 (Daphnia magna (Water flea)) 48 hours: > 0.1 - 1 mg/l; semi-static test; OECD Test Guideline 202

**Toxicity to algae** ErL50 (Raphidocelis subcapitata) 72 hours: > 0.01 - 0.1 mg/l; OECD Test Guideline 201 (literature value)

**Chronic toxicity to fish** No data available

**Chronic toxicity to aquatic invertebrates** NOEC (Daphnia magna (Water flea)) 21 d: > 0.001 - 0.01 mg/l  
Test substance: Pentadecanol

**Biodegradation** Readily biodegradable.  
OECD Test Guideline 301D (30 d): > 60 %  
(literature value)

**Bioaccumulative potential** No data available

**Mobility in soil** No data available

**LIAL 125 Alcohol**

---

**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** UN 3082, Environmentally hazardous substance, liquid, n.o.s., (Fatty alcohol C12-15), 9, III, Marine pollutant  
Not regulated in non-bulk packaging of 119 gallons or less or a net mass of 882 pounds or less per package.
- IATA** UN 3082, Environmentally hazardous substance, liquid, n.o.s., (Fatty alcohol C12-15), 9, III  
Not regulated in non-bulk packaging of 5L or less or a net mass of 5kg or less per package.
- IMDG** UN 3082, Environmentally hazardous substance, liquid, n.o.s., (Fatty alcohol C12-15), 9, III, Marine pollutant  
This product is regulated as a Marine Pollutant when shipped by water in all quantities according to the IMDG Code.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

**Remarks** No data available

---

**SECTION 15 REGULATORY INFORMATION**

---

## LIAL 125 Alcohol

---

### U.S. FEDERAL REGULATIONS

#### TSCA Inventory Listing

##### Components

Alcohols, C10-16

Alcohols, C14-18

All chemical substances in this product are either on the TSCA Active Inventory, or in compliance with the inventory.

##### CAS-No.

67762-41-8

67762-30-5

#### SARA 302 Status

##### Components

##### CAS-No.

##### Weight percent

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

#### SARA 311/312 Classification

Should this product meet EPCRA 311/312 Tier reporting criteria of 40 CFR 370, refer to Section 2 of this SDS for appropriate classification and Section 3 for components that meet the hazardous classification.

#### SARA 313 Chemical

##### Components

##### CAS-No.

##### Weight percent

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)

##### Components

none

##### Reportable Quantity

##### Weight percent

### INTERNATIONAL REGULATIONS

#### WHMIS Classification

Acute aquatic toxicity

Category 1

Chronic aquatic toxicity

Category 1

#### European Union

Classification according to Regulation (EU) 1272/2008.

Acute aquatic toxicity, Category 1

Chronic aquatic toxicity, Category 1

#### Australia. Inventory of Chemical Substances (AICS)

Listed

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

Listed

#### Japan. ISHL - Inventory of Chemical Substances

Listed

#### Canada. Domestic Substances List (DSL) Inventory

Listed

#### Canada. Non-Domestic Substance Listing (NDSL)

Not listed



## LIAL 125 Alcohol

---

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)	Not listed
New Zealand. Inventory of Chemical Substances (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  
Components  
 none

CAS-No.

## SECTION 16 OTHER INFORMATION

---

### HAZARD RATINGS

	<u>Health</u>	<u>Flammability</u>	<u>Physical Hazard/ Instability</u>
<b>HMIS®</b>	1	1	0
<b>NFPA</b>	1	1	0

THE DATA AND INFORMATION CONTAINED HEREIN ARE BEING FURNISHED FOR INFORMATIONAL PURPOSES ONLY, UPON THE EXPRESS CONDITION THAT EACH CUSTOMER SHALL MAKE ITS OWN ASSESSMENT OF APPROPRIATE USE AND APPROPRIATE SHIPPING, TRANSFER AND STORAGE MATERIALS AND PROCEDURES FOR SASOL CHEMICALS (USA) LLC'S PRODUCTS. ALTHOUGH BASED ON INFORMATION SOURCES WHICH SASOL CHEMICALS (USA) LLC CONSIDERS ACCURATE AND RELIABLE, SASOL CHEMICALS (USA) LLC MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDING THE VALIDITY OF THIS INFORMATION, THE INFORMATION SOURCES UPON WHICH THE SAME ARE BASED, OR THE RESULTS TO BE OBTAINED, AND EXPRESSLY DISCLAIMS LIABILITIES FOR DAMAGES OR INJURIES RESULTING FROM THE USE THEREOF.

---