

## MARLOX LF 9486

---

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


---

<b>Trade name</b>	MARLOX LF 9486		
<b>Synonyms</b>	Alcohols, C12-15-branched and linear, ethoxylated, propoxylated (>2.5 EO/PO)		
<b>Use</b>	Paint and Coatings		
<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 3

**LABEL ELEMENTS****Hazard symbols****Signal word** Warning

**Hazard statements** H400 Very toxic to aquatic life.  
H412 Harmful 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.**Additional advice** This product may contain residual levels of alcohols which, even under normal handling

**MARLOX LF 9486**

---

conditions, may smell and irritate the eyes, nose, and throats of some individuals.

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

---

<u>Components</u>	<u>CAS-No.</u>	<u>Weight percent</u>
Alcohols, C12-15-branched and linear, ethoxylated propoxylated	120313-48-6	>=90 - <=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. If skin irritation persists, call a physician.
- 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** Do not induce vomiting without medical advice. Call a physician immediately. 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 or fog, foam, dry chemical, 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** Remove all sources of ignition. Ensure adequate ventilation. 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.

**MARLOX LF 9486**

---

**SECTION 7 HANDLING AND STORAGE**

---

**Safe handling advice** Normal measures for preventive fire protection.

**Storage/Transport pressure** Ambient

**Load/Unload temperature** 20 - 50 °C

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**ENGINEERING MEASURES**

Ensure adequate ventilation, especially in confined areas. Trace amounts of ethylene oxide and propylene oxide may be present in the product and could accumulate in vapor spaces of storage or transport vessels.

**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**

There are no exposure limits established for this product. Trace amounts of ethylene oxide and propylene oxide may be present in this product., The ethylene oxide and propylene oxide in this product are not expected to result in significant exposures or present a health hazard.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

---

**Appearance** liquid

**Colour** clear

**Form** Liquid

**Odour** characteristic

**Odour Threshold** No data available

**Flash point** > 125 °C, > 257 °F;

**Flammability** Upper explosion limit: No data available

## MARLOX LF 9486

---

	Lower explosion limit: No data available
<b>Boiling point/boiling range</b>	> 100 °C, > 212 °F;
<b>Melting point/range</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Density</b>	0.95 g/cm <sup>3</sup> @ 20 °C, 68 °F;
<b>Relative density</b>	No data available
<b>Water solubility</b>	1,013 g/l @ 25 °C, 77 °F;
<b>Viscosity</b>	20 - 50 mm <sup>2</sup> /s @ 40 °C, 104 °F;
<b>Viscosity, dynamic</b>	20 - 50 mPa.s @ 40 °C, 104 °F;
<b>pH</b>	5 - 7
<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>	Stable under recommended storage conditions. Keep away from heat and sources of ignition. Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.
<b>Hazardous decomposition products</b>	When storing this product in air or oxygen, decomposition may occur, generating vapors which could be irritating. Ensure adequate ventilation, especially in confined areas. Oxidation is not expected when stored under a nitrogen atmosphere.

**MARLOX LF 9486**

---

**Materials to avoid** Strong oxidizing agents.

**Hazardous polymerisation** None.

---

**SECTION 11 TOXICOLOGICAL INFORMATION**

---

**Acute dermal toxicity** Based on available data, the classification criteria are not met.  
Data are available from alternate exposure routes.  
The substance or mixture has no acute oral toxicity

**Acute inhalation toxicity** No data available

**Acute oral toxicity** LD50 Rat: > 5.000 mg/kg; OECD Test Guideline 401  
The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).  
Based on available data, the classification criteria are not met.

**Skin corrosion/irritation** (Rabbit): OECD Test Guideline 404  
slightly irritating  
The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).  
Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** (Rabbit): OECD Test Guideline 405  
slight irritation  
The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).  
Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** not expected based on structure and functional groups

**Germ cell mutagenicity** **Genotoxicity in vitro:**  
Type: Ames test; OECD Test Guideline 471  
System: Salmonella typhimurium; with and without metabolic activation  
Result: not mutagenic  
The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

**Genotoxicity in vivo:**  
No data available

**Assessment Mutagenicity:**  
Based on available data, the classification criteria are not met.

**Reproductive toxicity** **Reproductive toxicity:**  
No data available

---

**MARLOX LF 9486**


---

**Assessment Reproductive toxicity:**

No data available

**Teratogenicity:**

No data available

**Assessment teratogenicity:**

No data available

**STOT - single exposure** No data available

**STOT - repeated exposure** No data available

**Aspiration toxicity** No data available

**Carcinogenicity** **Assessment carcinogenicity:**  
No data available

---

**SECTION 12 ECOLOGICAL INFORMATION**


---

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

**Toxicity to fish** No data available

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

**Toxicity to algae** EC50 (Pseudokirchneriella subcapitata (green algae)) 72 hours: > 1 - 10 mg/l; static test; ISO 8692

EC10 (Pseudokirchneriella subcapitata (green algae)) 72 hours: > 0.1 - 1 mg/l; static test; ISO 8692

**Chronic toxicity to fish** No data available

**Chronic toxicity to aquatic invertebrates** No data available

**Toxicity to bacteria** EC10 (Pseudomonas putida) 4.75 hours: > 950 mg/l; oxygen consumption test  
The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

**Toxicity to soil dwelling organisms** LC50 (Eisenia foetida) : > 1 mg/kg artificial soil

## MARLOX LF 9486

---

The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

**Toxicity to terrestrial organisms** No data available

**Biodegradation** Readily biodegradable.  
OECD Test Guideline 301B (28 d): > 60 %  
aerobic  
Category approach

**Bioaccumulative potential** Bioaccumulation is unlikely.

**Mobility in soil** No data available

**Other adverse effects** Based on available data, the classification criteria are not met.

## 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., (contains Alcohols, C12-15-branched and linear, ethoxylated, propoxylated), 9, III, Marine pollutant

**IATA** UN 3082, Environmentally hazardous substance, liquid, n.o.s., (contains Alcohols, C12-15-branched and linear, ethoxylated, propoxylated), 9, III, Marine pollutant

**IMDG** UN 3082, Environmentally hazardous substance, liquid, n.o.s., (contains Alcohols, C12-15-branched and linear, ethoxylated, propoxylated), 9, III, Marine pollutant

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

## MARLOX LF 9486

---

Remarks No data available

### SECTION 15 REGULATORY INFORMATION

---

#### U.S. FEDERAL REGULATIONS

##### TSCA Inventory Listing

###### Components

Alcohols, C12-15-branched and linear, ethoxylated propoxylated

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

###### CAS-No.

120313-48-6

##### SARA 302 Status

###### Components

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

###### CAS-No.

###### Weight percent

##### 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

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.

###### CAS-No.

###### Weight percent

##### 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 3

##### European Union

Classification according to Regulation (EU) 1272/2008.

Eye irritation, Category 2B, Acute aquatic toxicity, Category 1, Chronic aquatic toxicity, Category 3

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

Listed

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

Not listed

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

Not listed

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

Listed



## MARLOX LF 9486

---

Canada. 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)	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.

Sasol Chemicals (USA) LLC's ethoxylates may contain detectable quantities of ethylene oxide which is a chemical on the California Proposition 65 list. The level is typically below 1.0 ppm, although it may vary. The manufacturing process is controlled to reduce the residual ethylene oxide content.

Sasol Chemicals (USA) LLC propoxylates may contain detectable quantities of propylene oxide which is a chemical on the California Proposition 65 list. The level is typically below 10.0 ppm, although it may vary. The manufacturing process is controlled to reduce the residual propylene oxide content.

## SECTION 16 OTHER INFORMATION

---

### HAZARD RATINGS

	<u>Health</u>	<u>Flammability</u>	<u>Physical Hazard/ Instability</u>
<b>HMIS®</b>	2	1	0
<b>NFPA</b>	2	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



**MARLOX LF 9486**

---

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.

---