



## MARLOX RT 42

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


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**Trade name** MARLOX RT 42  
**Synonyms** Alkyl Polyglycol ether  
**Use** Emulsifier, Industrial use, Lubricant or lubricant additive, Metal Processing  
**Company** Sasol Chemicals (USA) LLC  
 (an affiliate of Sasol Chemicals North America LLC)  
**Address** 12120 Wickchester Lane, Houston, TX 77079  
**Telephone** CHEMTREC North America Transportation Emergency (24-hr) +1 (800) 424 9300  
 CHEMTREC World Wide +1 (703) 527-3887  
 Other Emergencies (24-hr) +1 (337) 494 5142  
 SDS and Product Information (8:00am-4:30pm CST) +1 (281) 588 3491  
 Health and Safety Information (7:30am-4:00pm CST) +1 (281) 588 3492  
**E-mail address** ProdSafe.Shared@sasol.com

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**SECTION 2 HAZARDS IDENTIFICATION**


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**OSHA/GHS Hazards** Chronic aquatic toxicity Category 3

**LABEL ELEMENTS**

**Hazard symbols** None

**Signal word** None

**Hazard statements** H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

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

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

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**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**


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<u>Components</u>	<u>CAS-No.</u>	<u>Weight percent</u>
Alcohols, C16-18, ethoxylated propoxylated	68002-96-0	100

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

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**SECTION 4 FIRST AID MEASURES**

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- 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.

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**SECTION 5 FIREFIGHTING MEASURES**

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**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.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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**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.

**Spill precautions** Forms slippery/greasy layers in water. Avoid subsoil penetration.

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**SECTION 7 HANDLING AND STORAGE**

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

**Storage/Transport pressure** Ambient

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**Further information on storage conditions** Prolonged storage in the presence of air or oxygen may cause product degradation. Oxidation is not expected when stored under a nitrogen atmosphere. Inert gas blanket and breathing system needed to maintain color stability. Use dry inert gas having at least -40°C (-40°F) dew point. Heat stable up to 200°C (392°F) for short periods.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 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

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**Appearance** liquid

**Colour** cloudy

**Form** liquid

**Odour** odourless

**Odour Threshold** No data available

**Flash point** > 200 °C, >392 °F;

**Flammability** Upper explosion limit: Not available

Lower explosion limit: Not available

**Boiling point/boiling range** No data available

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<b>Melting point/range</b>	approximately 14 °C, 57 °F;
<b>Auto-ignition temperature</b>	> 350 °C, >662 °F;
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	< 0.05 hPa @ 50 °C, 122 °F;
<b>Vapour density</b>	No data available
<b>Density</b>	0.934 g/cm <sup>3</sup> @ 20 °C, 68 °F;
<b>Relative density</b>	No data available
<b>Water solubility</b>	Dispersible
<b>Viscosity</b>	No data available
<b>Viscosity, dynamic</b>	70 mPa.s @ 20 °C, 68 °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

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<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.
<b>Materials to avoid</b>	Strong oxidizing agents.
<b>Hazardous polymerisation</b>	None.

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**SECTION 11 TOXICOLOGICAL INFORMATION**


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<b>Acute dermal toxicity</b>	No data available
<b>Acute inhalation toxicity</b>	No data available
<b>Acute oral toxicity</b>	LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 423 Category approach Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	(Rabbit): OECD Test Guideline 404 slight irritation Category approach Based on available data, the classification criteria are not met.
<b>Serious eye damage/eye irritation</b>	(Rabbit): OECD Test Guideline 405 slight irritation Category approach Based on available data, the classification criteria are not met.
<b>Respiratory or skin sensitisation</b>	not expected based on structure and functional groups
<b>Germ cell mutagenicity</b>	<b>Genotoxicity in vitro:</b> not expected based on structure and functional groups  <b>Genotoxicity in vivo:</b> No data available  <b>Assessment Mutagenicity:</b> No data available
<b>Reproductive toxicity</b>	<b>Reproductive toxicity:</b> No data available  <b>Assessment Reproductive toxicity:</b> No data available  <b>Teratogenicity:</b> No data available  <b>Assessment teratogenicity:</b> No data available
<b>STOT - single exposure</b>	The substance or mixture is not classified as specific target organ toxicant, single exposure.

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**STOT - repeated exposure** No data available

**Aspiration toxicity** Not applicable

**Carcinogenicity** **Assessment carcinogenicity:**  
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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**SECTION 12 ECOLOGICAL INFORMATION**


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**Toxicity to fish** LL50 (Danio rerio (zebra fish)) 96 hours: > 100 mg/l; static test; OECD Test Guideline 203  
Category approach

**Toxicity to aquatic invertebrates** EC50 (Daphnia magna (Water flea)) 48 hours: > 10 - 100 mg/l; static test; OECD Test Guideline 202  
Category approach

**Toxicity to algae** EC50 (Pseudokirchneriella subcapitata (green algae)) 72 hours: > 10 - 100 mg/l; static test; OECD Test Guideline 201  
Category approach

EC10 (Pseudokirchneriella subcapitata (green algae)) 72 hours: > 0.1 - 1 mg/l; static test; OECD Test Guideline 201  
Category approach

**Chronic toxicity to fish** No data available

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

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

**Bioaccumulative potential** No data available

**Mobility in soil** No data available

**Other adverse effects** No data available

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**SECTION 13 DISPOSAL CONSIDERATIONS**


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**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**


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**DOT** not regulated

**IATA** not regulated

**IMDG** not regulated

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

**Remarks** No data available

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**SECTION 15 REGULATORY INFORMATION**


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**U.S. FEDERAL REGULATIONS****TSCA Inventory Listing****Components**

Alcohols, C16-18, ethoxylated propoxylated

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

**CAS-No.**

68002-96-0

**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**

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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

#### Reportable Quantity

#### Weight percent

none

## INTERNATIONAL REGULATIONS

### WHMIS Classification

Chronic aquatic toxicity                      Category 3

### European Union

Classification according to Regulation (EU) 1272/2008.

Chronic aquatic toxicity, Category 3

<b>Australia. Inventory of Chemical Substances (AICS)</b>	Listed
<b>Japan. Inventory of Existing and New Chemical Substances (ENCS)</b>	Listed
<b>Japan. ISHL - Inventory of Chemical Substances</b>	Listed
<b>Canada. Domestic Substances List (DSL) Inventory</b>	Listed
<b>Canada. Non-Domestic Substance Listing (NDSL)</b>	Not listed
<b>Philippines. Inventory of Chemicals / Chemical Substances (PICCS)</b>	Listed
<b>Korea. Existing Chemicals Inventory (KECI)</b>	Listed
<b>China. Inventory of Existing Chemical Substances (IECSC)</b>	Listed
<b>Mexico. National Inventory of Chemical Substances (INSQ)</b>	Not listed
<b>New Zealand. Inventory of Chemical Substances (NZIoC)</b>	Listed
<b>Switzerland. Inventory of Notified New Substances (CHINV)</b>	Listed
<b>Taiwan. National Existing Chemical Inventory (NECI)</b>	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.**



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### STATE REGULATIONS

#### California Prop. 65

##### Components

Ethylene Oxide

Oxirane, 2-methyl-

##### CAS-No.

75-21-8

75-56-9

This product may contain detectable quantities of ethylene oxide and propylene oxide which are chemicals on the California Proposition 65 list. The levels are typically below 1.0 ppm, although they may vary. The manufacturing process is controlled to reduce the residual ethylene oxide and propylene oxide content.

### SECTION 16 OTHER INFORMATION

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#### 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

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