



MARLOX RT 42

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

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)		(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
E-mail address	SasolElectronicSDS@us.sasol.com		

SECTION 2 HAZARDS IDENTIFICATION

Not a hazardous substance or mixture according to OSHA HCS 2012.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<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.

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.

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SECTION 5 FIREFIGHTING MEASURES

FLAMMABLE PROPERTIES

Fire/explosion NFPA Class IIIB 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 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.

SECTION 7 HANDLING AND STORAGE

Safe handling advice Normal measures for preventive fire protection.

Storage/Transport pressure Ambient

Load/Unload temperature Ambient

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

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.

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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 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

Melting point/range approximately 14 °C, 57 °F;

Auto-ignition temperature > 350 °C, >662 °F;

Decomposition temperature No data available

Flammability (solid, gas) No data available

Vapour pressure < 0.05 hPa @ 50 °C, 122 °F;

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Vapour density	No data available
Density	0.934 g/cm ³ @ 20 °C, 68 °F;
Relative density	No data available
Water solubility	Dispersible
Viscosity	No data available
Viscosity, dynamic	70 mPa.s @ 20 °C, 68 °F;
pH	5 - 7
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	Stable under recommended storage conditions. Keep away from heat and sources of ignition. Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.
Hazardous decomposition products	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.
Materials to avoid	Strong oxidizing agents
Hazardous polymerisation	None.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available
Acute oral toxicity	LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 423 Category approach

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

Skin corrosion/irritation	(Rabbit): OECD Test Guideline 404 slight irritation Category approach Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	(Rabbit): OECD Test Guideline 405 slight irritation Category approach Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	Genotoxicity in vitro: No data available Genotoxicity in vivo: No data available Assessment Mutagenicity: No data available
Reproductive toxicity	Reproductive toxicity: No data available Assessment Reproductive toxicity: No data available Teratogenicity: No data available Assessment teratogenicity: No data available
STOT - single exposure	The substance or mixture is not classified as specific target organ toxicant, single exposure.
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

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	EL50 (Desmodesmus subspicatus (green algae)) 72 hours: > 100 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 % Category approach
Bioaccumulative potential	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.

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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

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

SECTION 15 REGULATORY INFORMATION

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

Non-hazardous substance

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

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INTERNATIONAL REGULATIONS

WHMIS Classification

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

European Union

The product does not need to be labelled in accordance with EC directives or respective national laws.

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
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

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>
HMIS®	1	1	0
NFPA	1	1	0

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