



Description

MARLOX RT 42 is one of the many low-foaming EO/PO non-ionic surfactants produced by Sasol Chemicals in Germany. These alcohol alkoxyates are based on Sasol's wide range of linear and semi-linear fatty alcohols. They are produced by alkoxylation of the fatty alcohols to varying degrees using ethylene oxide and propylene oxide. MARLOX RT 42 is a clear to slightly turbid liquid at room temperature and essentially 100% active.

Applications

MARLOX RT 42 may be used in a wide array of applications including as a high-quality biodegradable emulsifier, in metal cleaning, water-miscible cooling lubricants, detergents, textile auxiliaries, and industrial and institutional cleaning products. It may also be used as a co-surfactant and in a variety of other technical applications where low-foaming surfactant is essential.

Properties

Typical physical properties are listed in the table to the right. Actual properties will vary slightly from lot to lot.

Contact information

For technical information:

Product Steward

2201 Old Spanish Trail

Westlake, Louisiana 70669

Telephone: +1(337)494-4133

TDS.ProductSteward@us.sasol.com

For sales, pricing or samples,
contact a sales representative at:

Telephone: +1(281)588-3000

info@us.sasol.com

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Typical Properties	MARLOX RT 42
Avg. molecular weight, g/mol	610
Water, wt. %	0.5 max.
pH, 2% in DI water	5 – 7
Density, g/mL @ 20°C / 68°F	0.94
Cloud point, 10% in BDG @ 25%, °C (°F)	51 - 53 (124 - 127)
Flash point, °C (°F)	200 (392)
Setting point, °C (°F)	13 (55)
Viscosity, mPa s @ 50°C / 122°F	30
Solubility in water, 2 wt. %	dispersible

**Mix samples well before use.*



Storage and handling

Small quantities should be stored in sealed bottles, totes and drums at a temperature of 25°C (77°F) or less. Liquid bulk quantities should be padded with a dry inert gas, such as nitrogen, to prevent air from entering the tank or container. The product should not be exposed to temperatures in excess of 60°C (140°F) for long periods of time to avoid product degradation.

Based on our experience, MARLOX RT 42 shows no physical and/or chemical changes for at least 24 months after the manufacturing date when stored under conditions that minimize exposure to air, moisture and extreme temperatures. It is recommended to test the alkoxyate for key specifications every 24 months after the qualification date. Please be advised that Sasol Chemicals will not be responsible for retesting the product.

The preceding data is based on tests and experience, which Sasol Chemicals believes reliable, and is supplied for informational purposes only. Sasol Chemicals expressly disclaims any liability whatsoever for damage or injury which results from the use of the preceding data and nothing contained therein shall constitute a guarantee, warranty, or representation (including freedom from patent liability) by Sasol Chemicals with respect to the data, the product described, or its fitness for use for any specific purpose, even if that purpose is known to Sasol Chemicals. For detailed safety and handling information regarding these products, please refer to the respective Sasol Chemicals Safety Data Sheet. 03/06/2023

Sasol Chemicals North America LLC

12120 Wickchester Lane, Houston, TX 77079-2990
Phone +1 (281)588-3000, info@us.sasol.com
www.sasolnorthamerica.com