

SILBREAK* 329

silicone demulsifier

SPECIALTY FLUIDS - OIL & GAS



Silbreak 329 silicone demulsifier is an excellent candidate to consider for use to efficiently break water-in-oil emulsions. It is based on a modified polysiloxane and contains no halogen.

Key Features and Typical Benefits

- fast separation of water from crude oil, particularly during the initial phase of separation
- low treatment rates
- clear oil/brine interface; generally reduce sludge
- oil-free separated water
- very limited quantity of residual water rests in the separated crude
- essentially free of phenolic derivatives
- can be easily blended with organic demulsifiers
- can potentially exhibit foam control properties

Typical Physical Properties

Viscosity cSt, 20°C	1300
Density g/ml, 25°C	1.047
Molecular Weight	11000-15000
Solubility in Water	Soluble
Preferred Solvent	2-ethylhexanol, alcohols, aromatics
Flash Point ASTM D93, (°C)	>93.3

Typical data are average data and actual values may vary.
Typical data shall not be used as product specifications.

The information shown above on the polarity and molecular weight may be useful when blending with other materials is desired. The polarity is based on the best estimate of HLB as calculated from the solubility parameters (Barton, A.F.M. *Handbook of Solubility Parameters and Other Cohesion Parameters*, Boca Raton: CRC Press, 1983) based on the composition of Silbreak 329 silicone demulsifier.

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How to Use

Silbreak 329 silicone demulsifier can be introduced into the stream of emulsified crude oil either as the neat product or in a solution in an organic solvent. We recommend 2-ethylhexanol but other solvents may also be used.

Blending with commonly used organic demulsifiers can also be possible and in the majority of cases, strongly recommended, in order to boost their performance and achieve the optimum potential cost/performance formulation. Silbreak 329 silicone demulsifier has shown activity in high viscosity (greater than 5000 cSt at ambient) heavy crudes, effecting demulsification either on its own or when combined with polyol type demulsifiers.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

Silbreak 329 silicone demulsifier should be stored between 0°C and 40°C to facilitate ease of handling; storage at lower or slightly higher temperatures (do not exceed 50°C) should not affect demulsification properties so long as the product has been stored in the original unopened package and is still within the official shelf life.

Customers considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at www.momentive.com or, upon request, from any Momentive Performance Materials representative. Use of other materials in conjunction with Momentive Performance Materials products may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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Emergency Service

Momentive Performance Materials maintains an around-the-clock emergency service for its products. The American Chemistry Council (CHEMTREC) and CareChem24 International also maintain an around-the-clock emergency service for all chemical products:

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At sea	Radio U.S. Coast Guard, which can directly contact Momentive Performance Materials at 518.233.2500 or CHEMTREC at 800.424.9300.	

DO NOT WAIT. Phone if in doubt. You will be referred to a specialist for advice.

CUSTOMER SERVICE CENTERS

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