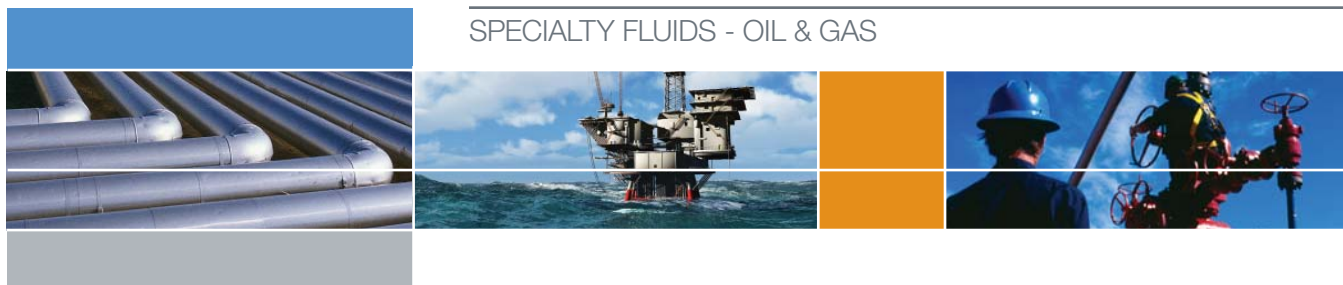


SILBREAK* 400

silicone demulsifier

SPECIALTY FLUIDS - OIL & GAS



Silbreak 400 silicone demulsifier is an excellent candidate to consider for use in demulsifying heavy crudes under extreme conditions such as those experienced in heavy crudes stabilized by fine solids or sands.

Key Features and Typical Benefits

- powerful demulsification effect, particularly when combined with polyols or amine condensates
- helps achieve clean separated water
- effective at low dosage levels

Typical Physical Properties

Property	Unit	Value
Appearance	–	Clear, light straw / light yellow
RSN	–	11.7 ⁽¹⁾ or 7.0 ⁽²⁾
Density at 20°C	g•cm ⁻³	1.020
Viscosity at 20°C	mm ² •s ⁻¹	2500
Flash Point Pensky-Martens Closed Cup ASTM D-93	°C	98
Solubility	–	Higher alcohols and aromatic hydrocarbons

(1) Established using toluene/tetrahydrofuran solution
 (2) Established using toluene/dimethoxyethane solution

The RSN value was determined experimentally.

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

SILBREAK* 400 silicone demulsifier

Potential Applications

As with many Silbreak demulsifiers, Silbreak 400 silicone demulsifier is not intended to replace organic demulsifiers. Rather it should be blended with organic demulsifiers at levels ranging from 2 to 10% to boost the effect or clean up the separated water.

In certain cases, high concentrations of Silbreak 400 silicone demulsifier may lead to overtreatment. In order to avoid such a result, the amount of Silbreak 400 silicone demulsifier typically should not exceed 2-5% of the weight of the actives of the organic demulsifiers.

Silbreak 400 silicone demulsifier generally shows strong synergies with organic polyols and amine condensates. At levels as low as 2%, it can contribute to the clarity of the separated water. It can be particularly effective on heavy crudes of less than 25° API.

Aromatic solvents are recommended for use with Silbreak 400 silicone demulsifier. Appropriate care should be taken when using flammable solvents.

Patent Status

Technical subject matter in this publication is described and protected by one or more pending US patent applications and foreign counterparts.

Product Safety, Handling and Storage

Silbreak 400 silicone demulsifier is best stored at temperatures between 0°C and 35°C to facilitate ease of handling, but storage at lower or higher temperatures typically will not affect subsequent demulsifying performances.

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.

SILBREAK* 400 silicone demulsifier

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:

<u>Location</u>	<u>Momentive Performance Materials Products</u>	<u>All Chemical Products</u>
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Middle East, All countries, except Israel	+518.233.2500	+961.3.487.287 (Lebanon)
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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.

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