



## CHEMUL-I

### DESCRIPTION

Chemul-I is a primary oil mud emulsifier and is a blend of stabilized fatty acids in liquid form that reacts with lime to form a soap-based emulsifier.

### PROPERTIES

<b>Physical</b>		<b>Chemical</b>	
Appearance:	Dark amber diesel odour	Type:	A blend of stabilized fatty acids
Specific Gravity:	.90	Solubility:	Not soluble (water)
Boiling Point:	Not determined	pH:	7.0-8.0
Flash Point:	65°C (PMCC)	Microtox:	Not applicable

### APPLICATION

Chemul-I forms a stable water-in-oil emulsion when it is added to oil and water mixtures in conjunction with lime and proper agitation.

1. Provides suitable emulsion stability.
2. Compatible with other primary and supplemental emulsifiers.
3. Higher concentrations improve filtration control.

### MIXING AND HANDLING

Oil mud systems using Chemul-I are easily prepared using the proper amounts of oil, water, Chemul-I and electrolytes to form a tight emulsion.

The standard system uses 25.0-35.0 L/m<sup>3</sup> of Chemul-I with equal parts of lime.

The lite system uses 9.0-17.0 L/m<sup>3</sup> of Chemul-I with equal parts of lime. In this system, Chemul-II becomes the supplemental emulsifier.

Employ rubber gloves, rubber apron, and skin and eye protection and ensure mixing is done in an area with adequate ventilation.

<b>WHMIS:</b> Controlled (see MSDS)	<b>TDG:</b> Not regulated	<b>PACKAGING:</b> 20 liter pail
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