

TouLift GWD-13 Foaming Agent

Gas Well Deliquification

Version 09/07/2020

TECHNICAL DATA SHEET

Description	TouLift GWD-13 is a liquid foaming agent based on fatty alcohol polyethylene glycol ethersulphate salt. This product provides maximum foaming power in soft and hard water, saturated brine and in presence of oil and condensates.	
Functionality	TouLift GWD-13 forms evenly distributed air pores and reduces the liquid density in the well. By preventing fluids from accumulating and causing liquid loading it achieves complete deliquification even in older or lower pressure wells. It removes the liquid to re-establish effective gas production.	
How to use	TouLift GWD-13 can be applied by batch treatment or continuous injection through capillary string. Loading depends on water quality, oil and condensate fraction within the well fluid.	
Properties	Active content	65 - 70 wt.%
	Color	clear
	Density (20 °C)	ca. 1.09 g/cm ³
	pH (1 % in DI water)	7 to 9
	Pour point	< -20 °C
	Flash point	> 100 °C
	Ignition temperature	> 260 °C
	Viscosity at 20 °C	ca. 400 mPa*s
Safety and Handling	For specific safety, handling and toxicity, please see current Material Safety Data Sheet	
Typical Shelf Life	12 months (closed container, stored at ambient temperature)	
Packaging	1000 liter IBC, 200 liter drums.	
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