

EZ-MUD[®] PLUS

Polymer Emulsion

Description	EZ-MUD® PLUS liquid polymer emulsion contains partially hydrolyzed polyacrylamide/polyacrylate (PHPA) copolymer and is used primarily as a viscosifier and borehole stabilizer to prevent reactive shales and clays from swelling and sloughing. EZ-MUD PLUS is also added to low-solids drilling fluids to increase lubricity and to improve the carrying capacity of air/foam injection fluids.EZ-MUD PLUS polymer emulsion is a high molecular weight version of EZ-MUD polymer emulsion with improved properties.			
Applications/Functions	 Stabilize reactive sha Improve borehole at Enhance slurry rheo Alleviate mud rings, Reduce drill pipe tor Minimize rod chatter Create "stiff-foam" at 	LUS polymer assists or particular and clay formations and excavation stability plogical properties bit balling and booting-off reque and pumping pressure r in diamond core drilling and maintain foam integrity five solids in reserve pit at lo	in clay formations e	
Advantages	 Liquid form – mixes easily with minimum shear in fresh water Efficient shale/clay stabilizer and viscosifier Non-fermenting Cost-effective - small amounts produce desired results Breaks down chemically with bleach (sodium hypochlorite) NSF/ANSI Standard 60 Certified 			
Typical Properties	 Appearance Density Flash point, PMCC Thermal stability, °F 	8.33 lbs °F, °C >200 (>	,	
Recommended	Approximate Amounts of EZ-MUD [®] PLUS High Molecular Weight Polymer			
Treatment	Emuis Pints/bbl*	ion Added to Water Based Quarts/100 gal	Liters/m ³	

*1 bbl = 42 U.S. gallons

0.5 – 1.8

 It is recommended that Soda Ash (sodium carbonate) be added to the make-up water prior to the addition of EZ-MUD PLUS high molecular weight liquid polymer emulsion for reduction of excess calcium and pH adjustment.

0.6 - 2.0

1.5 - 5.0

 The above are generalized concentrations of EZ-MUD PLUS high molecular weight liquid polymer emulsion to be added to water-based drilling fluids. The ultimate usage concentration will be based on local geology, application and mixing efficiency. In the event that further information is needed, please refer to the Product Data Sheet or contact your local Baroid IDP representative.

Packaging	EZ-MUD PLUS polymer emulsion is packaged in 5-gal (19-liter) plastic pail weighing 42-lbs (19-kg) and a 25-kg (55-lb) plastic pail.				
Availability	EZ-MUD PLUS polymer emulsion can be purchased through any Baroid Industrial Drilling Products Retailer. To locate the Baroid IDP retailer nearest you contact the Customer Service Department in Houston or your area IDP Sales Representative.				
	Baroid Industrial Drilling Products Product Service Line, Halliburton 3000 N. Sam Houston Pkwy E. Houston, TX 77032				
	Customer Service	(800) 735-6075 Toll Free	(281) 871-4612		
	Technical Service	(877) 379-7412 Toll Free	(281) 871-4613		

Because the conditions of use of this product are beyond the seller's control, the product is sold without warranty either express or implied and upon condition that purchaser make its own test to determine the suitability for purchaser's application. Purchaser assumes all risk of use and handling of this product. This product will be replaced if defective in manufacture or packaging or if damaged. Except for such replacement, seller is not liable for any damages caused by this product or its use. The statements and recommendations made herein are believed to be accurate. No guarantee of their accuracy is made, however.