

NuFlo GEL-POL

Technical Data Sheet

Environmentally Safe Liquid Guar Viscosifier

Liquid Guar Viscosifier

ENVIRONMENTALLY SAFE LIQUID GUAR VISCOSIFIER

Description:

NUFLO GEL-POL is an off white viscous liquid in which Guar polymer is suspended in a gelled environmentally safe base fluid. The viscous suspension is stable and the shelf life of the polymer is more than three years.

Application:

NUFLO GEL-POL is an environmentally safe product and is designed for viscosifying low density brines such as, sea water, 3 to 4 % Potassium and Sodium Chloride. The slurry in low density brines does not sheen in sea water if accidentally discharged. The oil and grease content of polymer slurry in 3% brine solution is below the environmental regulation limit of 22 ppm.

Recommended Treatment:

NUFLO GEL-POL mixes easily with low density brines and a viscous slurry can be prepared by pouring the required amount into the brine and mild agitation by a paddle mixer. In-situ breaker, if desired, can be added into the slurry for planned degradation of guar polymer.

PHYSICAL PROPERTIES:

- Specific Gravity at 77 0 F = 8.98 lb/gallon
- Active polymer in the suspension = 3.22 lb/gallon
- LC50 of slurry (loading = 316,200 ppm) in sea water
- Oil & Grease Content of the = 6.0-12 ppm slurry in sea water.

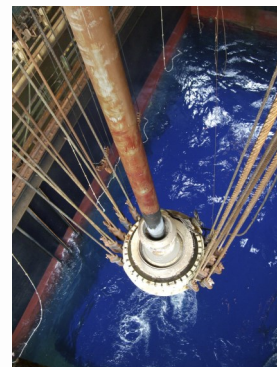
Availability: 5-gallon, 55-gallon containers and 275-gallon tote-bins.

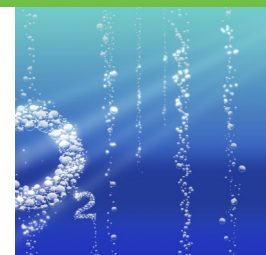
Shipment: Non-regulated material, Per ADR, DOT, IATA, IMDG.

Storage: Keep out of direct sunlight. Store between 40-120°F.

Disposal: Dispose of in accordance with local, state, and federal regulations.

See MSDS for additional information





Typical Usage Parameters:

NuFlo GEL-POL	
Description	Environmentally Safe Liquid Guar Viscosifier
Usage	Thickener low density brines

Physical Properties:

NuFlo GEL-POL	
BULK DENSITY	8.98 #/gal
SPECIFIC GRAVITY @ 20°C	1.10 (Water=1)
SOLUBILITY IN WATER	100%
VAPOR DENSITY (Air=1)	No Data
ODOR	Mild
% VOLATILES BY VOLUME @ 21°C (70°F)	70%
EVAPORATION RATE (n-BuAc=1)	No Data
MELTING POINT	No Data
BOILING POINT	>220°F
pH	8.0
APPEARANCE and COLOR	Clear to Whitish Viscous Liquid
VAPOR PRESSURE, mm Hg	No Data

EMERGENCY OVERVIEW: This product may cause irritation to the skin. Defatting of the skin can occur with frequent or long-term skin contact.



Safety:

Please make sure you have read and understand the product label and MSDS before using this product. Avoid breathing vapors, spray or mists. Use only with adequate ventilation. Wash thoroughly after handling. Observe label precautions.



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