



MUD SHIELD

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION: DRILLING MUD pH ADJUSTER

Until now, there has been no safe alternatives to replace the use of hazardous caustics in drilling mud systems. MUD SHIELD incorporates the world's only synthetic caustic for the replacement of caustic soda beads and/or flakes. As such, MUD SHIELD can be used to maintain or increase the pH in the mud system. In addition, the product will suppress magnesium and calcium in high hardness water and will help neutralize gases such as carbon dioxide and hydrogen sulfide. The net result is a reduction in the corrosion rates and the protection of the equipment and your personnel. Finally, the product is durable in cold environments and is freeze-thaw stable.

EarthFirst MUD SHIELD provides the pH adjustment capabilities of caustics in mud systems. Even with this ability, it does so with a triple-zero Hazardous Material Information Score (HMIS), which means it is non-flammable, non-corrosive, non-toxic and non-irritating. It is also bio-degradable. This EarthFirst product is safe for you, the plant and the environment.

- Caustic Free pH Increaser
- Non-Corrosive
- 100% Biodegradable
- Non Skin Irritant
- Non-Fuming
- Will Not Etch Glass
- Will Not Harm Rubber Seals
- Will Not Damage Painted Surfaces
- Non Flammable
- Non-Hazardous
- Environmentally Friendly
- Non-Toxic

APPLICATION

Dilution ratio and subsequent application rates will vary based on the pH requirements and the various mineral levels of your mud system. Consult your technical representative for options.

PHYSICAL DESCRIPTION

NITRATE LEVEL: 0%
FORM: Liquid
ODOR: Mild Soapy Odor
COLD STABILITY: -26°F
DETERGENCY: Moderate
TOXICITY: Non-Toxic
WETTING ABILITY: Excellent
STORAGE STABILITY: 1 Year⁺

SHIPPER REGS: None
FLASH POINT: None
BOILING POINT: 210°F
SOLUBILITY (H₂O): 100%
BIODEGRADEABLE: Yes/100%
VOLATILE BY VOLUME: N/A
CARCINOGENS: None
VISCOSITY: Thin