

GEO 1179

Liquid Amphoteric

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Product Bulletin

GEO 1179 is a general purpose amphoteric liquid detergent concentrate with excellent wetting, scouring, and emulsifying properties. A reaction with a variety of alkaline builders, detergents, and surfactants produces a versatile product suitable for use in many operations, such as:

- Scouring
- Soaping Off
- Wetting Out
- Foam Building

GEO 1179 dissolves readily in water to form highly foamy solutions. The excellent wetting characteristics of **GEO 1179** are enhanced because the foam is persistent and aids in suspending soil.

GEO 1179 is stable in dilute acid solutions above pH 5.0 and functions as a weak cation. However, it is more suited to alkaline systems, where it acts as an active anion and is stable to pH 12.

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Technical Data	Typical Properties
Appearance	Clear, amber liquid
Density, lbs/gal	8.3
Specific Gravity	1.0
Solubility, 10% in water	Clear
Viscosity, (cps) 10% in water	400 max

Applications

GEO 1179 is an effective emulsifier for all types of soil. It is especially effective for suspending inorganic forms of common dirt found in mill soil.

Addition of up to 0.5% to a scouring bath provides efficient scouring. A stock solution can also be made with builders as follows:

Formula	%
GEO 1179 Detergent	8.0
Tetrasodium Pyrophosphate	2.0
Sodium Metasilicate	3.0
Caustic Soda	0.5
Water	86.5

GEO 1179 can also be used as a detergent to clean chemical or pharmaceutical reactors. It is organic based and contains no harsh or toxic components.

GEO 1179 is effective with a variety of alkaline builders as well as with other detergents and surfactants.

Packaging, Storage & Handling

GEO 1179 is available in 55 gallon (200 L) drums, 275 gal (1040 L) returnable totes as well as bulk quantities. While freezing has no adverse effect on the product, it may cause congealing or separation. Should this occur, simply warm to 50°C / 122°F and mix well before using. Storage at room temperature is recommended.

Additional handling information is contained in a Material Safety Data Sheet, which is available upon request.

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