

Mayco Stim-450™

Mayco Stim-450 is a low cost amphoteric surfactant blend suitable for generating stable foams to temperatures in excess of 250°F in aqueous fluids.

APPLICATION

Mayco Stim-450 can be used as a foaming agent in all aqueous fluids including gelled and cross-linked fracturing systems with proper pretesting and used to remove water from gas wells.

Typical dosage is 5 gallons per thousand (gpt) for acidizing and 1 to 3 gpt in fracturing applications.

TECHNICAL FEATURES AND ADVANTAGES

- Is a very cost effective foaming agent. This product can produce stable foams at half the cost of typical foaming agents currently being used in fracturing and acidizing.
- Is readily soluble in aqueous carrier fluids and can be used as a liquid concentrate.
- Has a half-life 2 to 3 times greater than typical foaming surfactants.
- Is an effective foaming agent to temperatures in excess of 250°F.
- Is compatible with liquid gel concentrate systems.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear Liquid

Odor Slight

Boiling Point (760 mm Hg) 170°F

Freezing Point N.D.

Vapor Density N.D.

Melting Point N.D.

Vapor Pressure N.D.

Specific Gravity 0.9881

Solubility in Water Emulsifies

pH 6 – 8

Evaporation Rate >100

SAFETY AND HANDLING

Avoid skin and eye contact, inhalation or ingestion. If exposed, wash skin with soap and water, flush eyes with water and seek medical assistance. If ingested, seek medical assistance. Remove contaminated clothing and wash before reusing. Have adequate ventilation or use proper respirator. Wear protective face shield. Dispose of according to applicable regulations. Consult MSDS prior to use.

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