

Mayco Stim-480™

Mayco Stim-480 is a nonionic corrosion inhibitor for acidic fluids.

APPLICATION

Mayco Stim-480 can be used as a corrosion inhibitor in acidic fluids containing hydrochloric acid. It can be used as part of a package designed to prevent emulsions and asphaltenes in acidizing fluids. It is especially effective with heavy crude oils, such as California, Canada and Venezuela, in helping to control emulsion and asphaltene problems. Typical dosage is 3 to 30 gallons per thousand for acid applications.

PRELIMINARY DOSAGE RECOMMENDATIONS

ACID BLEND	Mayco Stim-480	OTHER ADDITIVES	TEMP.	TIME
7.5% HCl	2%	1% Mayco Stim-375 , 0.2 % SnC1	250°F	3 hours
10% formic	3% see above 3% see above	30 pptg erythorbic, 4 pptg CuC1	275°F 275°F	6 hours 12 hours
15% HCl	1%	1% Mayco Stim-375	200°F	6 hours

TECHNICAL FEATURES AND ADVANTAGES

- Is soluble in hydrochloric acid and mixtures containing hydrochloric acid.
- Is effective to temperature exceeding 320°F.
- Compatible with anionic, cationic, amphoteric and nonionic surfactants.
- Environmentally friendly.
- Water wets both sandstone and carbonate formations.
- Compatible with corrosion inhibitor intensifiers.
- Does not adsorb appreciably on sandstone formations.
- Significantly reduces the emulsion and sludging tendencies of crude oils when used in acid formations containing **Mayco Stim-480**, **Mayco Stim-375**, or **Mayco Stim-390**.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Appearance Light Amber Liquid

Odor Slight

Boiling Point (760 mm Hg) 205°F

Flash Point 134°F

Freezing Point N.D.

Vapor Pressure N.D.

Specific Gravity 1.025

Solubility in Water Soluble

Evaporation Rate 40

PACKAGING

(NEED)

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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