



## MAYCO STIM-480

### INTRODUCTION

MAYCO STIM-480 is a nonionic corrosion inhibitor for acidic fluids. Typical dosage is 3 to 30 gallons per thousand for acid applications.

### TECHNICAL FEATURES

1. MAYCO STIM-480 is soluble in hydrochloric acid and mixtures containing hydrochloric acid.
2. MAYCO STIM-480 is effective to temperature exceeding 320°F.
3. MAYCO-STIM-480 is compatible with anionic, cationic, amphoteric and nonionic surfactants.
4. MAYCO STIM-480 is environmentally friendly.
5. MAYCO STIM-480 water wets both sandstone and carbonate formations.
6. MAYCO STIM-480 is compatible with corrosion inhibitor intensifiers.
7. MAYCO STIM-480 does not adsorb appreciably on sandstone formations.
8. MAYCO STIM-480 significantly reduces the emulsion and sludging tendencies of crude oils when used in acid formations containing MAYCO STIM-440, MAYCO STIM-375, or MAYCO STIM-390.

### SUGGESTED APPLICATIONS

MAYCO STIM-480 can be used as a corrosion inhibitor in acidic fluids containing hydrochloric acid.

MAYCO STIM-480 can be used as part of a package designed to prevent emulsions and asphaltenes in acidizing fluids. MAYCO STIM-480 is especially effective with heavy crude oils, such as California, Canada, and Venezuela, in helping to control emulsion and asphaltene problems.

### PRELIMINARY DOSAGE RECOMMENDATIONS

ACID BLEND	MAYCO STIM-480	OTHER ADDITIVES	TEMP.	TIME
7.5% HCL	2%	1% MAYCO STIM-375, 0.2 % SnCl	250°F	3 hours
10% formic	3%	30 pptg erythorbic, 4 pptg CuCl	275°F	6 hours
	3%	see above	275°F	12 hours
15% HCL	1%	1% MAYCO STIM-375	200°F	6 hours

### SUGGESTED APPLICATIONS

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

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