



MAYCO STIM-75™

INTRODUCTION

MAYCO STIM-75 is an acid corrosion inhibitor for mineral acid and blends containing mineral acid. The primary acid is hydrochloric acid, mixtures of hydrochloric acid/hydrofluoric acid, and mixtures of hydrochloric acid and acetic and/or formic acid.

MAYCO STIM-75 is nonionic and does not contain nonyl phenols, quaternary amines, acetylenic alcohols, heavy metals, aromatic chemicals, or heavy oils which are generally considered to be pollutants.

MAYCO STIM-75 is biodegradable with resulting by-products primarily composed of CO₂, H₂O and CO, which are not damaging to the environment.

TECHNICAL FEATURES

1. MAYCO STIM-75 has excellent compatibility with anionic, cationic, and nonionic additives.
2. MAYCO STIM-75 has excellent corrosion inhibiting properties.
3. MAYCO STIM-75 has excellent dispersibility in hydrochloric acid solutions.

SUGGESTED APPLICATIONS

MAYCO STIM-75 does not require mutual solvents to maintain compatibility with anionic surfactants including non-emulsifiers, anti-sludging additives, clay stabilizers, foamers, and other common acidizing additives.

MAYCO STIM-75 can be used in conjunction with formic acid intensifiers to provide protection to temperatures in excess of 300°F.

MAYCO STIM-75 is a very cost effective corrosion inhibitor for hydrochloric acid systems.

The following corrosion data was generated on N80 steel with 15% HCl at 200°F:

MAYCO STIM-75 (v%)	Corrosion Rate (lbs/ft ²)
0.2	0.004
0.1	0.007

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Bright and clear orange liquid
Odor	Chemical
Specific Gravity at 60/60 °F	0.9852
Pour Point	-21°C/-6°F
Micro Flash Point	229 °F
Ionic Charge	Nonionic
pH	4.3
Solubility in Water	Soluble

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