

Mayco Stim-75™

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

APPLICATION

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. It can be used in conjunction with formic acid intensifiers to provide protection to temperatures in excess of 300°F.

TECHNICAL FEATURES AND ADVANTAGES

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

- Excellent compatibility with anionic, cationic, and nonionic additives
- Excellent corrosion inhibiting properties
- Excellent dispersibility in hydrochloric acid solutions
- 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 AND CHEMICAL PROPERTIES

Appearance Bright, 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

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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