

ElAmsar

International Group

Technical Data Sheet

AI-600

H. Temperature Acid corrosion Inhibitor

DESCRIPTION

AI-600 contains a quinoline quat surfactant, an synergistic blend of an acetylenic alcohol replacement, solvent and a highly effective dispersion package that enable it to inhibit corrosion in all hydrochloric (HCL) & hydrochloric -hydroflouric (HCL-HF) acid concentration up to 350. The upper temperature limit can be increased by adding inhibitor intensifiers.

APPLICATION

Uninhibited hydrochloric acid of various strengths will react to corrode steel. The amount of damage to assets coming in contact with the acid is a function of contact time, acid strength, and temperature. As the temperature goes up, the effectiveness of many acid inhibitors drops below desirable protection level.

AI-600 is compatible with intensifiers such as organic acids, metal halides, Antimony compounds.

The typical concentration range for AI-600 is 1-20 gal/1000 Gal depending on acid strength, acid type, temperature & contact time.

ADVANTAGES

- Contains no propargyl alcohol..
- Eliminates sulfide scaling, hydrogen embrittlement.
- Disperse easily in acid & water.
- High temperature performance.

SPECIFICATIONS

Appearance.....Dry Red/Purple Liquid.
Flash Point..... 77°C (170°F)
Specific Gravity..... 1.03-1.07
Density..... 8.68-8.91 lb/gal
pH (neat)..... 2.0-4.0

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