



VCI FORMULATED PRODUCTS FOR PROCESS INDUSTRIES

gas oil
brine

S-11

PRODUCT DESCRIPTION

S-11 corrosion inhibitor is a proprietary blend of secondary and tertiary acetylenic alcohols and diols, aromatic, quaternary salts and nonionic surfactants. S-11 is designed as an acid corrosion inhibitor for aqueous systems. Examples of suitable systems include acid pickling, chemical cleaning, additive for water-based coatings, inks, and fountain solutions that have a pH less than 5.

S-11 is also a suitable replacement for propargyl alcohol with the added advantages of being less toxic, safer and more environmentally acceptable.

S-11 is miscible with most hydrocarbons, chlorinated solvents, ketones, alcohols and glycols.

FEATURES

- Economical
- Safe to use
- Environmentally safe
- Multimetal protection
- Miscible with most hydrocarbons
- Replacement for propargyl alcohol

APPLICATION

S-11 prevents corrosion of metals that can occur in low pH aqueous systems. S-11 can be used in mineral acid systems of hydrochloric, sulfuric, sulfanic and phosphoric acids. S-11 will maintain a stable pH in an aqueous system so that early cross-linking and water sensitivity do not occur. S-11 is used 0.1 - 1.0% on total formula, and can be post-added if desired.

The concentration of inhibitor required depends on the nature of the scale to be removed. In general, S-11 is effective at low concentrations, but at temperatures over 200°F (93°C), higher concentrations of S-11 corrosion inhibitor may be needed (0.50-1.0%). However, the most effective concentrations are best determined by laboratory tests.

PHYSICAL PROPERTIES

Appearance	Clear dark brown liquid
Flash point, TCC	78°F (26°C)
Odor	Mild
Pour Point	< -40°F (-40°C)
Density	7.8-8.0 lb/gal (0.96 - 0.96 kg/l)

PACKAGING

S-11 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

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