

OLAID-CI-546

CORROSION INHIBITOR FOR REFINERY OVERHEAD SYSTEMS

DESCRIPTION

OILAID-CI-546 is a water and brine soluble, film-forming amine salts-based inhibitor designed to reduce corrosion caused by the presence of CO₂, H₂S, and organic acids in refinery overhead systems. Its typical properties are as follows:

Appearance	Amber-Colored Clear Liquid
Specific Gravity	0.96 - 1.05 at 25 °C
Flash Point	> 100 °F. (38 °C.)
Viscosity @ 25 °C.	< 100 cPs
pH	7.0 - 8.0
Solubility	Soluble in Water, Brines, and Amines

APPLICATION

OILAID-CI-546 should be used in systems with or without hydrocarbons present. An example of this application would be in wet production systems, water injection systems, and wash waters used in desalting units.

This product is compatible with all treating chemicals typically used in water injection and desalting units.

OILAID-CI-546 is especially effective when applied in amine absorption units in refineries, and does not show the foaming tendencies typical of competitive inhibitors.

OILAID-CI-546 treatment rates will vary with the particular application, as well as the severity of the corrosion problem. For continuous injection operations, a typical dosage rate of 5 ppm to 50 ppm is normally effective.

For amine unit applications, it is recommended that residual levels of inhibitor be maintained at 100 ppm based on total amine volume. OILAID-CI-546 is normally run through a positive displacement



chemical pump. It should be fed into the system ahead of any existing areas where potential corrosion is a problem. Batch treatment is also recommended for specific applications.

HANDLING & STORAGE

Avoid contact with eyes and skin. Prolonged skin contact may cause irritation. If possible, avoid contact with OIL AID-CI-546 and do not take internally. If contacted with eyes or skin, wash thoroughly with water for 15 minutes and seek medical attention. Remove contaminated clothing. Wear goggles, gloves, and an apron when handling OIL AID-CI-546.

Store in a dry, ventilated area, away from direct sunlight. For best safety conditions, and to prolong shelf life of this product, store between 32 °F and 125 °F.

PACKAGING

OIL AID-CI-546 is supplied in lined 55 gal (208L) steel drums, but may be supplied in alternative packaging, if required by the customer.

