

ACID CORROSION INHIBITOR

ACI-1001

Application

This effective organic-based acid corrosion inhibitor has been designed to be used in hydrochloric acid-based stimulation fluids. It protects alloy steel against corrosion when exposed to 15% or 28% hydrochloric acid and hydrochloric/hydrofluoric acid up to 200°F without Corrosion Inhibitor Intensifier and up to 300°F with Corrosion Inhibitor Intensifier (**ACI-INT 1001**). This product has good solubility in acid and water solutions and been designed to inhibit corrosion mixtures. It effectively protects N -80, J-55 and many other steel alloys against acid attack.

Physical and chemical properties

Item	Description	Properties
1	Physical	Dark Red liquid
2	Odor	Ammine like
3	Solubility in water	Soluble

Features

Disperse Ability

This corrosion Inhibitor shows excellent solubility in HCL based systems designed for down-hole applications.

Acid Strengths

It is also effective in all strong hydrochloric acids and mixtures of hydrochloric-hydrofluoric acids and is effective for all carbon steel alloys used in wellbore tubular. This product also provides inhibition to other alloys however higher concentrations of this inhibitor will be required.

Metal Protection

Acid systems inhibited with appropriate concentrations dramatically slow down corrosion rates on most common oilfield tubular, including steel alloy, coiled tubing and chrome alloys.

Benefits

It is used in a broad range of temperatures and provides effective inhibition against hydrochloric acid, and hydrochloric-hydrofluoric acid mixtures.

It also provides protection against a wide range of well-bore, well-head and down hole tubular, including coiled tubing.

Safety Precautions

Avoid contact with eyes, skin or clothing. Do not use or smell it in closed spaces. Do not breathe its fumes. Water or other rinsing soluble for washing the eyes or other parts of body should be easily accessible. Keep it away from heat and sparks. Avoid contact with strong oxidizing agents. Keep container closed when not in use. For handling, wear suitable protection for eyes and skin.

packing

Drum: 55 gal