ZX-C1-04

Acid Corrosion Inhibitor 140℃

General

ZX-C1-04 high temperature acid corrosion inhibitor is composed of home-grown composite pyridine quaternary ammonium salts main ingredients, some alkynol and aldehydes material. It has good dispersibility in HCl and mud acid. It has a good corrosion protective effect on HCl and mud acid corrosion under high temperature. The effect of high temperature resistant is good.

Composition

Composite pyridine quaternary ammonium salts, alkynol and aldehyde material

Product

Appearance	Reddish brown liquid
Density	0.95-1.03 (g/cm^3, 20℃)
Freezing point	<= -15 ℃
PH (1% aqueous solution)	3.0 - 5.0
Corrosion rate	10-15 (g/m^2.h, 120℃)
Corrosion rate	20~30 (g/m^2.h, 140℃)

Application

Site Application

ZX-C1-04 high temperature acid corrosion inhibitor is applicable for oil well high temperature and acidizing fracturing technology to control equipment corrosion. It has a good effect on deep oil well high temperature, high pressure acidizing corrosion control in the high temperature range of 120~140℃, in 15~20% HCl and mud acid.

Test condition

120℃ test conditions: Dynamic, 16Mpa, 15% HCl or N80 steel, 4h, 2% addition

140℃ test conditions: Dynamic, 16Mpa, 15% HCl or N80 steel, 4h, 3% addition

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Product characteristic

Applicable for 120-140℃ high temperature acidizing system and high temperature resistance.
Good compatibility with thickener and crosslinker

Storage

ZX-C1-04 high temperature acid corrosion inhibitor should be stored in closed containers in a dry environment. The expiry date is 2 years from production date and can be extended for extra 1 year after a successful testing of the physical and chemical index.

Packing

200L steel drum or 1000L IBC or per clients' request

Safety and handling

Skin Exposure:
In case of contact, immediately wash skin with soap and copious amounts of water. If irritation persists, call a physician.
Eye Exposure:
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.
If irritation persists, call a physician.
Inhalation Exposure:
If inhaled, remove to fresh air. If necessary, give oxygen. Call a physician.
Oral Exposure:
If swallowed, immediately wash out mouth with water provided person is conscious. Call a physician.