

ZHS-2 High-Temperature Acidizing Corrosion Inhibitor

Product Introduction

The high-temperature acidizing corrosion inhibitor uses aldehyde–ketone–amine condensation compounds as its main active components, combined with other synergistic additives. The product features excellent acid solubility, good compatibility with various additives, no residue formation after reaction, and very low core damage. It has low viscosity and is convenient for field application.

It is suitable for treating high-concentration hydrochloric acid and mud acid under various temperature conditions. The maximum applicable temperature of ZHS-2 is 160°C.

Application Characteristics

As a corrosion inhibitor designed for high-temperature acidic environments, it is suitable for acidizing oil and water wells. The recommended dosage is 3.0%–4.0%.

Technical Specifications

Appearance	Brown liquid
Density (g/cm ³):	0.90–1.10
PH	5.0–7.0
Corrosion rate in 15% HCl (g/m ² ·h) at 130°C	≤ 20
Corrosion rate in 15% HCl (g/m ² ·h) at 150°C	≤ 50

Packaging, Storage and Transportation

- Packaged in plastic drums, each with a net weight of 25 kg.
- The storage area must be well-ventilated, dry, and clean.
- Shelf life: Two years.

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