

PRODUCT DATA SHEET

ZTW Iron Ion Stabilizer**Product Introduction**

In acidizing, fracturing, and water-injection operations in oilfields, instability of metal ions—especially ferric ions—is a common problem. The iron ion stabilizer (iron chelating agent) has excellent capability to stabilize Fe^{3+} ions and effectively prevents the formation of iron-gel precipitates.

Application Characteristics

- ZTW-1 is suitable for environments with temperatures below 90°C.
- ZTW-2 is suitable for environments with temperatures above 90°C.
- ZTW-3 is suitable for surface crosslinked-acid applications.
- Depending on the Fe^{3+} concentration in the medium, the recommended dosage is 0.3%–1.0%

Technical Specifications

Item	ZTW-1	ZTW-2	ZTW-3
Appearance	Homogeneous liquid	Homogeneous liquid	Homogeneous liquid
Density (30°C, g/cm ³)	≥ 1.000	≥ 1.100	≥ 1.100
pH	≤ 3.0	≤ 3.0	≤ 3.0
Pour point (°C)	≤ -20.0	≤ -15.0	≤ -15.0
Fe^{3+} chelating capacity (mg/ml)	≥ 40	≥ 45	≥ 45

Packaging, Storage and Transportation

- Packaging: Supplied in 50 L or 200 L plastic drums; custom packaging is available upon request.
- Storage: Store in a cool, dry, and well-ventilated warehouse.
- Shelf life: Two years.

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