

SAFE-COR HT

SAFE-COR* HT high-temperature corrosion inhibitor is an inorganic thiocyanate-base additive designed to protect carbon steel tubular goods. It helps prevent general corrosion attack on casing, tubing and downhole tools in contact with zinc bromide-base workover or completion brines. SAFE-COR HT inhibitor was developed for use in zinc bromide fluids within a temperature range from ambient to 400°F (204°C).

Typical Physical Properties

Physical appearance.....	Clear liquid
Specific gravity.....	1.28
pH.....	6.5 - 7.0
Flash point.....	>212°F (100°C) (PMCC)
Boiling point.....	>252°F (122°C)
Crystallization point.....	<15°F (-9°C)

Applications

SAFE-COR HT inhibitor controls corrosion of carbon steel tubing and casing strings when used in zinc bromide-base workover, packer or completion fluids. It is recommended whenever operations require zinc bromide brine to be in contact with tubulars at high temperature for more than 24 hours. SAFE-COR HT inhibitor should not be used with chrome steel tubulars.

For treatment of clear brine fluids, SAFE-COR HT inhibitor is recommended to be used at a concentration of 1.5 lb/bbl (4.27 kg/m³) or approximately 15 gal/100 bbl (3.57 L/m³). It can be added directly to the brine without special mixing equipment or agitation.

Advantages

- Effective in high-density, zinc bromide brines
- Effective alternative to amine-base products
- Effective from ambient temperature to 400°F (204°C)
- Easy and safe to handle on location

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Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions as described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

SAFE-COR HT inhibitor is packaged in 55-gal (208-L) drums or 5-gal (18.9-L) cans.

Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

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