

ICS-222

Scale Inhibitor Concentrate



International
Chemical
Group

Description:

Bis(hexamethylenetriamine) penta(methylene phosphonic acid).

Applications:

ICS-222 is a concentrate to prepare water soluble scale inhibitors for control of calcium, magnesium, strontium, barium or iron scales.

ICS-222 can be used to formulate scale inhibitors or scale/corrosion inhibitors for cooling water, boilers, water-floods or drilling systems.

ICS-222 primary advantage is its thermal stability. It continues to inhibit scale in high temperature applications in excess of 175°C (350°F).

ICS-222 is in the acid form and can be used in this form or can be neutralized to other pH's.

Typical dilutions are up to 1:4 in water, or water/glycol/alcohol if a freeze stable formulation is required.

Physical Properties:

Appearance: Dark brown liquid

Activity: 50%

Specific Gravity: 1.220 @ 25°C (77°F)

Flash Point: > 93°C (200°F)

Pour Point: -23.3°C (-10°F)

pH: < 2.0

Dosage:

In lab testing, Calcium Carbonate, Inhibition levels are 93% at 5 ppm and 97% at 12 ppm of inhibitor.

Handling:

Please refer to the Safety Data Sheet for further handling information.

Packaging:

ICS-222 is available in drum and tote quantities.

Technical Data Sheet

Liability Disclaimer - The information in this Data Sheet is provided without suggestion of warranty or guarantee. "Physical Properties" are typically values rather than specifications. The user is responsible for investigation for suitability of this product for their own use.



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