ICS-232



Scale Inhibitor Concentrate

Description:

ICS-232 is a Diethylene Triamine Penta (Methylene Phosphonic Acid).

Applications:

ICS-232 is a concentrate to prepare water-soluble scale inhibitors for control of calcium, magnesium, strontium, barium or iron scales.

ICS-232 is used to formulate scale inhibitors or scale/corrosion inhibitors for cooling water, boilers, water-floods or drilling systems. ICS-232 can also be used to prepare oil-based corrosion/scale inhibitors

ICS-232 should be tested for compatibility with brines that have calcium levels greater than 5000 ppm.

ICS-233 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 amber liquid

Activity: 50%

Specific 1.250 @ 25°C (77°F)

Gravity:

Flash Point: $> 93^{\circ}\text{C} (200^{\circ}\text{F})$

Pour Point: -23.3°C (-10°F)

pH: < 2.0

Dosage:

In lab testing, Calcium Carbonate, Inhibition levels are 97% at 5 ppm and 99% at 12 ppm of inhibitor.

<u>Handling:</u>

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

Packaging:

ICS-232 is available in drum and tote quantities.

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.



