



International
Chemical
Group

ICS-233

Scale Inhibitor Concentrate

Description:

ICS-233 is a concentrated Amino Trimethylene Phosphonic Acid scale inhibitor.

Applications:

ICS-233 is used to formulate scale inhibitors and scale/corrosion inhibitors to be used in oil and gas production, cooling water, boilers, secondary recovery (water-flood) systems and drilling applications. The ICS-233 is also commonly used in scale squeeze applications.

ICS-233 is most effective against systems where Calcium Carbonate is the primary scaling mechanism. It should be tested for compatibility with brines that have calcium levels greater than 3500 ppm.

ICS-233 is partially neutralized 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:	Amber viscous liquid
Activity:	50%
Solubility:	Water
Specific Gravity:	1.330 @ 25°C (77°F)
Flash Point:	> 94°C (201°F)
Pour Point:	-20°C (-4°F)
pH:	< 2.0

Dosage:

In lab testing, Calcium Carbonate, Inhibition levels are 97% at 3 ppm and 99% at 12 ppm of inhibitor.

Handling:

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

Packaging:

ICS-233 is available in drum and tote quantities.

Technical Data Sheet



International Chemical Service Ltd.
Suite 1378 – 5328 Calgary Trail NW
Edmonton, Alberta, Canada T6H 4J8
P: 780-433-4352 F: 780-669-3764
E: international@intlchemgroup.com



Integrated Chemical Services Inc.
4830 Wilson Rd Ste 300 PMB 14
Humble, Texas, USA 77396
P: 866-433-4352
E: integrated@intlchemgroup.com

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.