

# ICS-248

Scale Inhibitor



International  
Chemical  
Group

## Description:

ICS-248 is a concentrated phosphonate scale inhibitor, specifically manufactured for a tolerance to water systems that have high levels of calcium.

## Applications:

ICS-248 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.

Many phosphonates will experience solubility issues when the waters being treated have high levels of calcium. The ICS-248 will stay soluble in brines nearing calcium saturation.

The ICS-248 has strong anodic properties that will also provide corrosion effectiveness in oxygen rich environments such as cooling towers and drilling fluids.

ICS-248 is in the acid form and can be used in this form or can be neutralized to other pH's.

## Physical Properties:

<b>Appearance:</b>	Dark amber viscous liquid
<b>Activity:</b>	50%
<b>Solubility:</b>	Water
<b>Specific Gravity:</b>	1.24 – 1.26 @ 25°C (77°F)
<b>Flash Point:</b>	> 93°C (200°F)
<b>Pour Point:</b>	-20°C (-4°F)
<b>pH:</b>	< 2.0

## Dosage:

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

## Handling:

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

## Packaging:

ICS-248 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.



**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