

## **PRO-200 Scale Inhibitor**

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PRO-200 is a water soluble diethylenetriamine penta methylene phosphonic acid [DTPMP] based scale inhibitor.

## **Product Use Information**

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PRO-200 is a scale inhibitor formulated for scale inhibition of many commonly encountered scales found in the oil and gas industry including carbonate and acid insoluble sulphate scales. The active ingredient in PRO-200 also has the beneficial ability to chelate dissolved metal ions.

## **Determination of scaling tendencies**

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Water samples are submitted for complete ionic analysis to determine water scaling tendencies. Factors that affect scaling tendencies are pressure, temperature, flow velocity and dissolved metal and anion concentration.

## **PRO-200 Injection Concentration**

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PRO-200 is most often continuously injected downhole or upstream of scale deposition problems at surface to prevent scale deposition. Typical injection rates for PRO-200 vary from 15 – 25 ppm based on water production.

## **Physical Properties**

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Density,	1.05 – 1.15
Form,	Liquid
pH,	8.5 – 9.0
Appearance,	Brown to Black
Solubility,	
	Fresh Water – Soluble
	Oilfield Brine – Soluble
	Methanol – Soluble
	Aromatic Solvent – Insoluble

## **Material Compatibility Information**

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Metals: 316 Stainless steel

Plastic: HD polyethylene  
HD polypropylene  
Teflon

Elastomers: Polytetrafluoroethylene [Teflon]  
Viton

## **Scale Monitoring Techniques**

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- Water sample scaling tendencies
- Scale residuals
- Scale coupons
- Well workover reports