

PRO-203 Scale Inhibitor

PRO-203 is a water soluble diethylenetriamine penta methylene phosphonic acid [DTPMP] based scale inhibitor.

Product Use Information

PRO-203 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-203 also has the beneficial ability to chelate dissolved metal ions.

Determination of Scaling Tendencies

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-203 Injection Concentration

PRO-203 is most often continuously injected downhole or upstream of scale deposition problems at surface to prevent scale deposition. Typical injection rates for PRO-203 vary from 15 – 25 ppm based on water production.

Physical Properties

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

Metals: 316 Stainless steel

Plastic: HD polyethylene
HD polypropylene
Teflon

Elastomers: Polytetrafluoroethylene [Teflon]
Viton

Scale Monitoring Techniques

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