

## **PRO-112 Scale Solvent**

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PRO-112 is a water soluble synthetic acid that has similar cleaning properties as hydrochloric acid.

## **Product Use Information**

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PRO-112 is non-hazardous, non-regulated for transport, non – fuming, and will not corrode or rust metals. PRO-112 is a completely safe replacement for Muriatic acid blends, and has been improved by the addition of a synthetic surfactant. PRO-112 contains no acid and will not harm oilfield pumping equipment or promote corrosion. PRO-112 will effectively attack calcium carbonate, scale, and mineral build-up.

## **PRO-112 Application Information**

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For pipeline cleanouts typically a 24 hour soak of 2% PRO-112 in fresh water is sufficient to remove carbonate scale and iron sulphide deposits.

For wellbore cleanouts or water injection well cleanout, a pre-batch flush of 1m<sup>3</sup> of solvent is recommended to flush any debris or hydrocarbon from the wellbore. PRO-112 is then pre-blended at a ratio of 1:3 with produced water and then batched downhole with 500 to 1000 liters of PRO-112 and shut in for two hours to dissolve the deposit.

## **Physical Properties**

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|             |                              |
|-------------|------------------------------|
| Density,    | 1.15                         |
| Form,       | Liquid                       |
| pH,         | < 1                          |
| Appearance, | Light yellow to colorless    |
| 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]

## **PRO-112 Benefits**

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- Safe on Tubulars, Piping, and Pumping Equipment;
- Non Toxic; Non Fuming; Non Mutagenic
- An Excellent Choice for Work-Over Projects, 100% Biodegradable; 100% Acid Free
- Eliminates Scale Build-up
- No Secondary Containment is Required
- No Disposal Restrictions