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Product Information Bulletin
CTI-142
Well Bore Cleaner

DESCRIPTION:

CTI-142 is a slightly cationic acid non-emulsifier that is designed to help break water blocks and prevent or remove crude oil emulsions. It functions by reducing interfacial tension between brines, or acid, and crude oil. CTI-142 has been used on a variety of crude oils and will not over treat.

CTI-142 is a slightly cationic acid non-emulsifier that can be used in the spearhead for fracturing treatments to lower breakdown pressures and minimize the possibility of forming water/oil emulsions. This product is also used to aid in removal of oil based drilling muds from the formation and wellbore.

PHYSICAL PROPERTIES:

| | |
|-------------------------|-----------|
| Density (Lbs./Gal) | 7.722 |
| Specific Gravity @ 60°F | 0.9270 |
| Flash Point (TCC) | 55°F |
| Pour Point | 38°F |
| pH | 6.5 – 7.5 |

SOLUBILITY:

| | |
|-----------------|-------------|
| Crude Oil | Dispersible |
| High TDS brine: | Soluble |
| Fresh Water: | Soluble |

USAGE:

The normal concentration recommended for treatment with CTI-142 slightly cationic acid non-emulsifier varies from 0.1% to 3% based on the oil treated. The chemical is generally mixed at a ratio of one gallon per two barrels of H₂O which is sufficient to treat one foot of producing interval and tubulars.

HANDLING PRECAUTIONS:

For information regarding safety precautions in handling, health hazards, and exposure, please refer to the material safety data sheet for this product. In case of emergency, please call (956) 683-8022.

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