



EcoOilField-T-406

### THPS

**Chemical Name:** Tetrakis (hydroxymethyl) phosphonium sulfate

**Brand Name:** EcoOilField T-406

**CAS NO.:** 55566-30-8

**Chemical Formula:** C<sub>8</sub>H<sub>24</sub>O<sub>12</sub>P<sub>2</sub>S

**Molecular Weight:** 406.28

#### Application:

EcoOilField T-406 is a biocide effective against micro pest in industrial cooling systems, oil field operations, and paper-making industry. The advantage is it will soon degrade to a nontoxic substance after use.

EcoOilField T-406 exhibits excellent activity against problem microorganisms. In particular, it is extremely effective against sulphate-reducing bacteria, a major cause of hydrogen sulphide souring and corrosion. Formulations containing EcoOilField T-406 may be used in many applications where microbiological contamination is present and they have extensive use in enhanced oil recovery injection water systems, topside recovery systems, pipeline protection and storage. EcoOilField T-406 produces a rapid kill against a broad spectrum of bacteria and when suitably formulated with a surfactant it readily eradicates unwanted biofilms. The excellent toxicity profile of EcoOilField T-406 and ease of deactivation to a virtually non-toxic substance makes it an ideal biocide to use when cooling water is discharged into ecologically sensitive waters.

#### Technical Data Sheet

Analysis Item	Index
Appearance	Colorless or yellowish transparent pulpy liquid
Assay (THPS) %	75.0 Min
Viscosity (25 °C) MPa.S	30.0-36.0
Relative Density (25 °C)	1.350-1.420
PH	2.5-5.5
Iron (Fe) ppm	15.0 Max

#### Packing and Storing:

Packed in 55 USG HOPE drum or 1000 Litre IBC (Tote Tank).

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