



## THPS

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

**Brand Name:** EcoFluid 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:**

EcoFluid 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 immediately after use.

EcoFluid 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 EcoFluid 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. EcoFluid 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 EcoFluid 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

**Packaging**

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

**Unibrom Corp.**

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