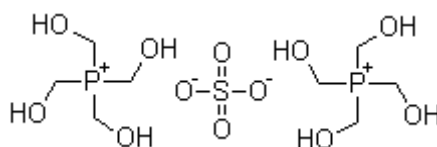


# Tetrakis(hydroxymethyl)phosphonium sulfate(THPS)

CAS No.: 55566-30-8

Molecular Formula:  $C_8H_{24}O_{12}P_2S$       Molecular Weight: 406.27

Structural Formula:



## Specification:

Items	Index
Active Content, %	75.0 min
Viscosity(25°C) MPA.S	30.0-40.0
Density(25 C)	1.350-1.420
Iron (Fe) ppm	20 max
pH	2.5-5.0

## Property:

**THPS** is a kind of environmental anti-microbial reagent. It's characterized by its low solidity point and fine stability. It can be reserved for long time and can easily dissolve in water. It's a kind of new environmental pesticide with high efficacy, low toxicity and low rudimental. It can kill germ and aquatic plants. In 1995, the EPA of the United States ratified it with zero toxicity and awarded it with US Green Chemical prize.

## Usage:

Mainly used in water treatment systems, oil field operations, and paper-making industry.

The advantage is it will soon degrade to a nontoxic substance immediately after use. Also it can be applied to fabric coating as flame retardant, obviously improving flame retarding property.

## **Package and Storage:**

Net weight 250kg in plastic drum Keep hermetic.

## **Keywords:**

[THPS;](#)

Tetrakis(hydroxymethyl)phosphonium sulfate;

Octakis(hydroxymethyl)diphosphonium sulfate

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