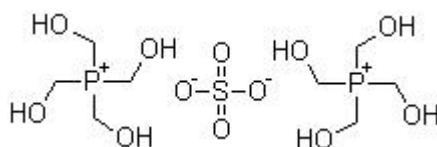


## Tetrakis(hydroxymethyl)phosphonium sulfate(THPS)



<b>CAS No.</b>	55566-30-8	<b>EINECS No.</b>	259-709-0
<b>Molecular Formula</b>	$C_8H_{24}O_{12}P_2S$	<b>Molecular Weight</b>	406.27

### Structural Formula



### Product Features

THPS is a new type of environmentally friendly pesticide with high efficacy, low toxicity and minimal residue. THPS has the ability to eliminate germs and aquatic plants effectively.

THPS is renowned for its low solididity point and excellent stability. THPS can be reserved for long time and can easily dissolve in water. THPS effectively manages bacterial growth in drilling muds and stimulation liquids used for gas and oil wells. THPS can easily withhold sulfate-reducing microorganisms..

### Technical Specification

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



### Applications & Usage

THPS is mainly used in water treatment, fire retardant treatment of textiles, leather softening, paper making and other industries. THPS is often used in oil field drilling, fishery as germicidal agent.

## Package & Storage

25L Drum	200L Drum	1000L IBC	ISO Tank
			
Storage for 12 months in shady room and dry place.			

## Hazard & Safety Precaution

Hazard Information	Safety Precaution
 Corrosive, Class 8+6.1, UN 2922	
Once contacted with eye and skin, flush with plenty of clean water.	

## Alternative Name / Synonyms

- THPS;
- Tetrakis(hydroxymethyl)phosphonium sulfate;
- Octakis(hydroxymethyl)diphosphonium sulfate
- Aquar THPS 75%
- Tetrakis(hydroxymethyl)phosphonium Chloride (5046)