

Tetrakis(hydroxymethyl)phosphonium Sulfate (THPS) Specialty Industrial Chemical & Hydrogen Sulfide (H₂S) Control

Tetrakis(hydroxymethyl)phosphonium sulfate (THPS) is a stable, water-soluble phosphonium compound used primarily as a hydrogen sulfide (H₂S) scavenger. It is commonly applied in oil & gas, wastewater, pulp & paper, and industrial water systems where sulfide control is required.

For biocidal and antimicrobial applications, customers should use Avacid®, SMC Global's THPS-based biocide product line, which is EPA-registered for microbial control. This distinction helps ensure proper product selection and regulatory compliance.

SMC Global supplies high-quality THPS products supported by dependable logistics and technical expertise.

Why Choose THPS?

- Stable, water-soluble formulation
- Environmentally favorable and low-toxicity profile
- Reliable performance in industrial water treatment applications

Key Uses

Oilfield & Gas Applications

Used as a hydrogen sulfide (H₂S) scavenger in oil and gas operations.

Industrial Water Systems

Applied in industrial water environments requiring sulfide control.

Wastewater Treatment

Supports sulfide reduction in wastewater systems.

Pulp & Paper Processing

Used in pulp and paper operations where hydrogen sulfide control is required.

Specialty Chemical Applications

Used in specialty industrial and chemical processing applications.