

# Technical Data Sheet

## THPS 75%

<b>Commodity name</b>	: THPS
<b>Chemical name</b>	: Tetrakis Hydroxymethyl Phosphonium Sulfate
<b>Other name</b>	: Octakis (Hydroxymethyl) Diphosphonium Sulfate, Bis [Tetrakis (Hydroxymethyl) Phosphonium] Sulfate Solution
<b>CAS No.</b>	: 55566-30-8
<b>EC No.</b>	: 259-709-0
<b>Molecular weight</b>	: 406.28
<b>Molecular formula</b>	: $[(\text{CH}_2\text{OH})_4\text{P}]_2\text{SO}_4$

### Product description:

Colorless transparent liquid, slightly acidic, easily biodegradable. Chemical properties of stability, long time storage will not affect the quality. Should be stored in a cool, ventilated warehouse, sealing preservation. Should be separated from oxide, food chemicals.

### Technical specification:

<b>Appearance</b>	Achromaticity liquid
<b>Content by wt. %</b>	75
<b>Viscosity (25°C) by MPA·S</b>	30.0 - 36.0
<b>Relative density (25°C)</b>	1.350 - 1.420
<b>Iron (Fe) by wt. %</b>	0.002 max
<b>pH value</b>	2.5 - 5.5

### Main applications:

- Used as an environmental friendly bactericide with good water solubility, low solidifying point, stable chemical performance, long shelf life, new-type, high-efficiency, wide-spectrum etc.
- Used as an internationally acknowledged flame-retardants for pure cotton and polyester cotton and its flame-retarding effect can remain for a long time.

### Packing and Shelf life:

**Packing:** 20 ltr pails, 220 ltr drums, 1000 ltr IBC.

**Shelf Life:** 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

#### Important:

For a better suitability of the product for your particular purpose, tests are recommended prior product use. You are advised to make your own determination as to safety, appropriate manner of handling, storage, use and disposal. All the information contained in this product technical sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. You should not consider the descriptions, information, data or design as a part of our terms and conditions of sale. We expressly disclaim responsibility or liability for any loss, damage or expense arising out of reliance on the information provided herein.

**Customer Service: Mobile: +994512306565**  
[sales@farsagroup.az](mailto:sales@farsagroup.az)