



Uniphos Chemicals

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XF-5150 (THPS)

XF-5150 (THPS) 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. Also, it can be applied to fabric coating, obviously improving flame retarding property.

Trade Name	XF-5150 (THPS)
Abbreviation	THPS
Chemical Name	Tetrakis (Hydroxymethyl) Phosphonium Sulphate
Molecular Formula	$[(\text{CH}_2\text{OH})_4\text{P}]_2\text{SO}_4$
Molecular Weight	406.2
CAS Number	55566-30-8

Typical Properties

Appearance	Colorless to clear light yellow liquid
Odor	Characteristic
Active Content	$\geq 75\%$
Specific Gravity	1.37 – 1.42 g/ml @ 25°C
pH (as is)	2.5-5.5
Viscosity @ 20°C	18-39 cps (mPa.s)

Packaging

250kgs per PE drum, or 1250kgs per IBC/Tote