

# AXCID

# THPC

## GENERAL

Chemical Name	Tetrakis (hydroxymethyl) phosphonium chloride
Chemical Structure	$[(\text{CH}_2\text{OH})_4\text{P}] \text{Cl}$
Molecular Weight	190.56
Appearance	Colourless to yellowish liquid
CAS No.	124-64-1

## DESCRIPTION

**THPC** is a new class anti-microbial agent, with minimum effects on the environment. THPC's benefits include low toxicity, low dosage and rapid breakdown in the environment.

## SPECIFICATIONS

<u>Properties</u>	<u>Typical Value</u>
Active Content (as phosphorus), %	10.6 ~ 13.1
pH	1.5 – 4.5
Density, g/cm <sup>3</sup> at 20 °C	Upto 1.35
Colour (Hazen)	100 Max

Our **THPC** is available in different levels of active phosphorous contents to suit the different applications – giving THPC contents of 80%, 75% and 65 %.

## APPLICATIONS

- Industrial / Commercial Water Treatment - control of bacterial growth
- Oilfield - control of bacterial growth
- Textiles
- Disinfectants
- Chemical Intermediate

## PACKING

250kg per UN approved PE drum

## TRANSPORT INFORMATION

CORROSIVE LIQUID, TOXIC, NOS  
UN2922 PACKING GROUP III

The above information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control.

## WaterChem Pte Ltd

48 Toh Guan Road East, #02-149 Enterprise Hub, Singapore 608586  
Tel: +65 6465 3268 Fax: +65 6465 3269  
Email: [ronaldau@waterchem.sg](mailto:ronaldau@waterchem.sg)  
[www.waterchem.sg](http://www.waterchem.sg)