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**Aquapharm Chemicals Pvt. Limited**

## AQUACID 1076EX

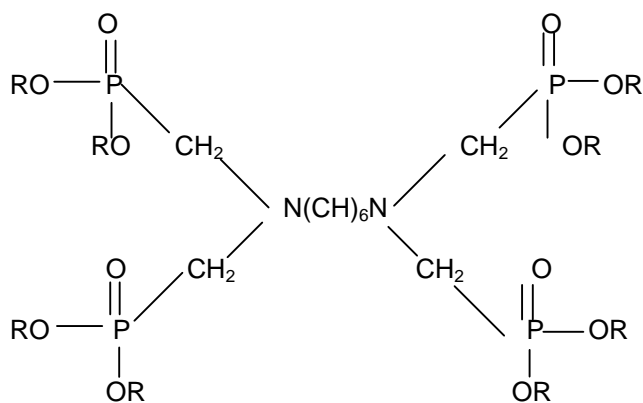
**K<sub>6</sub> HDTMP**

### HEXAMETHYLENE DIAMINE TETRA (METHYLENE PHOSPHONIC ACID) HEXAPOTASSIUM SALT

#### PRODUCT FEATURES

AQUACID 1076EX is an organophosphonate compound possessing multifold properties like sequestration, deflocculation and threshold Inhibition. AQUACID 1076EX exhibits sequestration of metal ions at stoichiometric concentration and threshold inhibition of metal salt precipitation at sub-stoichiometric concentrations. These are used in boiler application and for reverse osmosis and desalination applications. It is recommended in alkaline conditions.

#### STRUCTURE



R = ( 6 K + 2 H )

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**SPECIFICATIONS**

Chemical Name	: Hexamethylene diamine tetra (methylene phosphonic acid) hexapotassium Salt
CAS No.	: 38820-59-6
Molecular Weight	: 721
Appearance	: Colourless to pale yellow clear aqueous solution
Active Content	: 23 ± 1.5% (as Acid)
Solid Content	: 34 % approx. (as Salt)
Specific gravity (g/ml) 25/25°C	: 1.27 ± 0.02
Chlorides as Cl	: < 5 %
pH (1% solution)	: 6-8
Iron Content (ppm)	: < 35
Solubility	: Soluble in water

(These are typical values and not the final specifications)

**MAJOR APPLICATIONS**

AQUACID 1076EX is incorporated in various chemical formulations of Industrial water treatment for desalination and reverse osmosis applications  
 AQUACID 1076EX shows excellent calcium sulphate inhibition properties

**HANDLING PRECAUTIONS**

Care should be taken to avoid contact of the product with skin and eyes. Goggles and rubber gloves should be used at all times while handling the product.

**PACKING**

270 Kgs polydrum / 1250 Kgs of IBC