



ZEELCHEM™ 131 (DTPMPA)

DIETHYLENE TRIAMINE PENTA(METHYLENE PHOSPHONIC ACID)



CAS No. 15827-60-8

ZEELCHEM™ 131

Molecular Formula: $C_9H_{28}O_{15}N_3P_5$

Molecular weight: 573.2

Properties:

DTPMPA is innocuous, easy to be dissolved in acid solution. DTPMPA has excellent scale and corrosion inhibition and good thermal tolerance ability. DTPMPA can inhibit the scale formation of carbonate, sulfate and phosphate. On situation of alkali environment and high temperature (above 210 °C) DTPMPA has better scale and corrosion inhibition effect than other organophosphines.

Specification:

items	index
Appearance:	Brown transparent liquid
Active acid %:	48.0-52.0
Phosphorous acid (as PO_3^{3-}) %:	3.0 max
Chloride (as Cl^-)%:	12-17
Density (20°C) g/cm ³ :	1.35-1.45
pH (1% solution):	2.0
Fe ppm:	35 max

Usage:

DTPMPA can be used as scale and corrosion inhibitor in circulating cool water system and boiler water, and especially in alkali circulating cool water system without additional pH regulation, It can also be used in oilfield refill water, cool water and boiler water with high concentration of barium carbonate. When used alone, little scale sediment is found even none of dispersant is used. DTPMPA can also be used as peroxide stabilizer, chelating agent in woven & dyeing industry, pigment dispersant, micro element's carrying agent in fertilizer and concrete modifier. In addition, DTPMPA is used in paper making, electroplating, acid cleaning and cosmetics.

Packing and Storage:

Normally 250kg net in drum, 65.0 Kg Carboy. Storage for ten months in shady room and dry places.

ZEEL PRODUCT

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