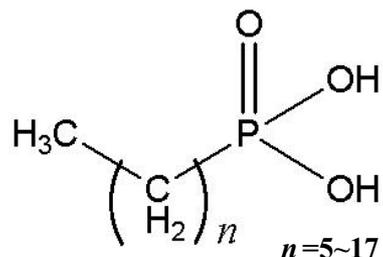


## APA-0801

### *n*-Alkylphosphonic acid

CAS NO.



### DESCRIPTION

Linear alkyl phosphonic acids, APA-0801 have bifunctional structure, consisting of both hydrophobic groups and hydrophilic groups. Alkylphosphonic acids are widely used for production of nanoparticles such as quantum dots, nano-metals, nano-ceramics. By varying the carbohydrate chain length one can change the particles' shape and size. Besides, they can be used for coating of many materials (including nanoparticles) by condensed hydrophobic monolayers.

### APPLICATION

Surfactants, Rust inhibitors(Zn, Bronze etc.), Dispersants, Flame retardants, Emulsifiers, Strippers, Additive for gear oil or extreme pressure oil or Lubricant or Nitrogen-containing siloxane polymer manufacturing process, Surface Treatment Agent. Alternatives to the Hostaphat OPS(Clarant's product).

### SPECIFICATION

INSPECTION	SPECIFICATION	INSPECTION	SPECIFICATION
Appearance	white or off-white solid	Molecular Weight	194.21
Empirical Formula	C <sub>8</sub> H <sub>19</sub> O <sub>3</sub> P	Purity(LC, area%)	97 min.
Packing Unit	5g, 500g, 10Kg		

### STORAGE

Keep container tightly closed. Keep container in a cool, well-ventilated area.  
(Store in a well ventilated place below 25°C.)

### HANDLING PRECAUTIONS

Reference must be made to the MSDS for this product.