

PRODUCT CODE	CX-18
CHEMICAL NAME	3-(Hydroxyphenylphosphinyl)propanoic acid
CHEMICAL FORMULA(STRUCTURE)	$ \begin{array}{c} \text{O} \qquad \qquad \text{O} \\ \qquad \qquad \\ \text{C}_6\text{H}_5 - \text{P} - \text{CH}_2 - \text{CH}_2\text{C} - \text{OH} \\ \\ \text{OH} \end{array} $
CAS NO.	14657-64-8
MOLECULAR WEIGHT	214
APPEARANCE FORM	WHITE SOLID
ASSAY	99%
MELTING PT.°C	160
SOLUBILITY	3.3% IN WATER @25°C
APPLICATION	Flame retarded linear polyester polymers are obtained by incorporating CX-18 via condensation reaction. For example, polyethylene terephthalate modified with CX-18 is used for FR filaments, fibers, sheets and injection molded articles.
CHEMICAL REACTIVITY	Intermediate for condensation polymerization route to Polymeric phosphinates.