

Oceanchem Group Tris (chloroethyl) Phosphate (TCEP)

Category : Other Engineering Material , Additive/Filler for Polymer

Material Notes:

Molecular Formula: C₆H₁₂O₄Cl₃PCas No.: 29716-44-7**Property:** It is colorless or light yellow oily transparent liquid with slight cream odor. Soluble in common organic solvents, insoluble in aliphatic hydrocarbon, almost insoluble in water, good hydrolytic stability, slightly decomposed in alkaline solution, no obvious corrosiveness.**Use:** It has good performance for fire retarding and plasticity. It can be used as fire retardant for PVC, soft or hard foam polyurethane, cellulose acetate, ethyl cellulose paint, flame-resisting rubber and rubber conveyer belt. Besides self-extinguishing character, it can improve other performances of product, such as water proof, element resistance, antistatic performance, soft feeling, dosage is 5-10 portion, OI. is 26. It can also be used as special pressure additives for lube, gasoline additives and heat cooling agent of magnesium.**Storage and Packing:** In galvanized metal pail. Storage temperature 5-38°C, not over 35°, in dry air.

Common chemicals.Information Provided by Oceanchem Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Oceanchem-Group-Tris-chloroethyl-Phosphate-TCEP.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.42 - 1.44 g/cc	1.42 - 1.44 g/cc	
	@Temperature 204 °C	@Temperature 399 °F	
Viscosity	38 - 47 cP	38 - 47 cP	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Molecular Weight	285.38 g/mol	285.38 g/mol	

Thermal Properties	Metric	English	Comments
Boiling Point	351 °C	664 °F	
Decomposition Temperature	240 - 280 °C	464 - 536 °F	
Flash Point	265.6 °C	510.1 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.47 - 1.479	1.47 - 1.479	n20D

Component Elements Properties	Metric	English	Comments
Chlorine, Cl	37.3 %	37.3 %	
Phosphorous, P	10.8 %	10.8 %	

Descriptive Properties	Value	Comments
Acidity	<0.20	mg KOH/g

Descriptive Properties	Value	Comments
Appearance	Colorless or light yellow oily transparent liquid	
CAS Number	29716-44-7	
Chroma	<100	Pt-Co
Molecular Formula	C ₆ H ₁₂ O ₄ Cl ₃ P	

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