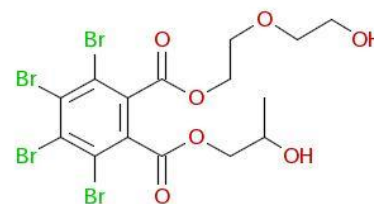


GC TETRA PHT Diolo

2-(2-hydroxyethoxy)ethyl 2-hydroxypropyl 3,4,5,6-tetrabromophthalate



Formula $C_{15}H_{16}O_8Br_4$
 Molecular Weight 627.9 g/mol
 CAS registry number 77098-07-8

GC TETRA PHT Diolo is a brominated flame retardant with a bromine content around 45%.

The low viscosity improves the handling and dosage of the product.

GC TETRA PHT Diolo is used as flame retardant in the production of unsaturated polymers, especially in rigid PU foam (class 1 and class 2), elastomers, coating, adhesives e fibers.

PHYSICO-CHEMICAL PROPERTIES

Appearance	Amber liquid				
Bromine content, %	> 44				
Density @ 25°C, g/ml	ab. 1.75				
Viscosity @25°C, cps	70000-120000				
Acid Value, (mg KOH/g)	< 1.0				
Hydroxyl number (mg KOH)/g)	130-235				
Solubility at 20°C in 100 g solvent	Water	<0.5	Methanol	9	
TGA (10 mg @ 10°C/min under N ₂)	Weight Loss	5 %	10 %	50 %	95 %
	Temperature	127°C	151°C	325 °C	382°C

HANDLING AND STORAGE: The processing and use of GC TETRA PHT Diolo requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.

GC TETRA PHT Diolo has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

PACKAGING: Standard pack size of GC TETRA PHT Diolo is 250 kg drums.

Important note

- Some plastic additives, fillers or pigments can influence significantly on flame retardant properties. Before to use the products, please be informed.
- Stop machine with high temperature could create degradation of polymers. Please clean with neutral polymers.

NOTE:

Information contained in this document is provided to the best of our knowledge and is considered true as per revision date. We do not accept any liability for loss and damage that may occur from the improper use of this information and for the use against the safety legal requirements and patent rights. This specification does not release the customer from the obligation to check the product as to its suitability for intended area of usage.