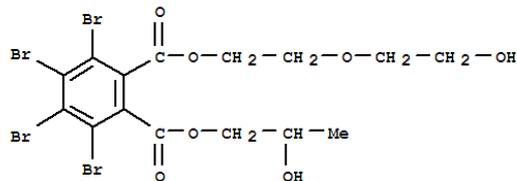


## GC PHT DIOLO

### Diol of tetrabromophthalic Anhydride

Formula  $C_{15}H_{16}O_7Br_4$   
Molecular Weight 627.5 g/mol  
CAS registry number 20566-35-2



GC PHT DIOLO is a flame retardant based on a stable, reactive bromine-containing diester/ether diol of tetrabromophthalic anhydride. The nominal structure of GC PHT DIOLO is an ester mixed with diethylene glycol and propylene glycol. GC PHT DIOLO is a reactive diol for rigid polyurethane foam, urethane elastomers and coatings with high bromine content, scorch resistant and good performance. GC TETRA DIOLO is available in 3 grades: LV; MV; HV where the viscosity changes.

#### PHYSICAL-CHEMICAL PROPERTIES

Appearance	Amber viscous liquid			
Bromine content, %	> 42			
Density @ 25°C, g/ml	ab. 1.75			
Viscosity @25°C, mPa·s	15,000-120,000			
Acid Number, (mg KOH/g)	< 1.0			
Hydroxyl number (mg KOH/g)	200-275			
Solubility @ 20°C in 100 g solvent	Water	Methanol	9	
TGA (10 mg @ 10°C/min under N <sub>2</sub> )	<u>Weight Loss</u>	5 %	10 %	50 %
	Temperature	127°C	151°C	325 °C
			95 %	382°C

#### HANDLING AND STORAGE:

The processing and use of GC PHT DIOLO requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.

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

#### PACKAGING:

GC PHT DIOLO packaging is in 200L zinc iron drums. 300kg/drum or 1,500kg/IBC.

#### IMPORTANT NOTE

Some plastic additives, fillers or pigments can influence significantly the flame retardant properties of the compound. Before using these products, please be informed.

Machine stop machine at high temperatures could create degradation of polymers. Please clean with neutral polymers.

#### DISCLAIMER:

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