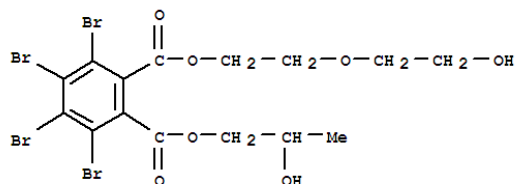


## GC PHT Diolo HV

### Diol of tetrabromophthalic Anhydride



Formula	C <sub>15</sub> H <sub>16</sub> O <sub>7</sub> Br <sub>4</sub>
Molecular Weight	627.5 g/mol
CAS registry number	20566-35-2

GC PHT Diolo HV flame retardant is a stable, reactive bromine-containing diester/ether diol of tetrabromophthalic anhydride. The nominal structure of GC PHT Diolo HV flame retardant is a mixed ester of tetrabromophthalic anhydride with diethylene glycol and propylene glycol. GC PHT Diolo HV is a reactive diol for rigid polyurethane foam, Urethane elastomers and coatings with high bromine content, scorch resistant and good performance.

#### PHYSICO-CHEMICAL PROPERTIES

Appearance	Amber liquid				
Bromine content, %	> 44				
Density @ 25°C, g/ml	ab. 1.75				
Viscosity @25°C, CP	70000-120000				
Acid Number, (mg KOH/g)	< 1.0				
Hydroxyl number (mg KOH)/g)	200-235				
Solubility @ 20°C in 100 g solvent	Water	<0.5	Methanol	9	
TGA (10 mg @ 10°C/min under N <sub>2</sub> )	Weight Loss	5 %	10 %	50 %	95 %
	Temperature	127°C	151°C	325 °C	382°C

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

**PACKAGING:** GC PHT Diolo HV has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.  
GC PHT Diolo HV was packed in 200L zinc iron drums. 300kg/drum or 1,500kg/IBC.

#### 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 .

#### DISCLAIMER:

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 improperly 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.