

# PHT4-DIOL™

## Reactive Halogenated Flame Retardant

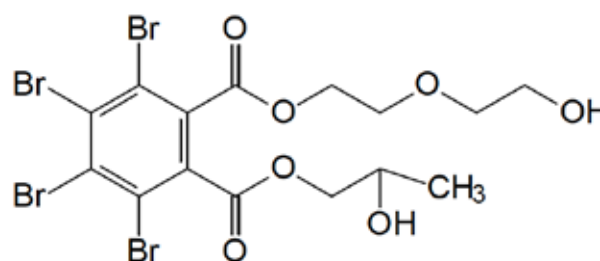
**PHT4-Diol™** tetrabromophthalate diol, is a reactive flame retardant intermediate.

PHT4-Diol™ is a viscous, light brown colored liquid which exhibits excellent compatibility with a broad range of commercial polyols and blowing agents.

Tetrabromophthalate Diol

CAS Reg. Number [77098-07-8]

EU CAS Number [20566-35-2]



### TYPICAL DATA:

Typical Properties of PHT4-DIOL™	
Appearance	Lt. Brown Viscous Liquid
Bromine Content, %	46
Specific Gravity @ 25 °C, g/ml	1.9

Viscosity			
Temperature, °C	25	50	80
Viscosity, cps	90,000	7,500	500

Thermogravimetric Analysis (10 mg @ 10 °C/minute under N <sub>2</sub> )				
Weight Loss, %	5	10	50	95
Temperature, °C	128	166	319	380

Solubility (g/ 100 g Solvent)			
Water	< 0.5	Toluene	Complete
Dichloromethane	Complete	Methyl Ethyl Ketone	Complete
Methanol	9		

**PHT4-Diol™** is recommended as a reactive flame retardant for Class 1 and Class 2 rigid polyurethane foam. PHT4-Diol™ foams can be formulated for excellent physical properties with favorable economics. Other application areas include polyurethane RIM, elastomers, coatings, adhesives and fibers.

### **Storage and Handling Precautions**

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless stated, proper storage will permit usage of the product for 6 to 12 months from the date of receipt.

**For additional handling and toxicological information, consult the Material Safety Data Sheet.**



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