

PHT4-DIOL™ LV

Reactive Halogenated Flame Retardant

PHT4-DIOL™ LV, tetrabromophthalate diol, is a low viscosity version of neat PHT4-DIOL™. The lower viscosity of PHT4-DIOL™ LV offers improved process handling and storage characteristics versus neat PHT4-DIOL™ while maintaining its effectiveness as a flame retardant for Class 1 and Class 2 rigid polyurethane foam. Other application areas include polyurethane RIM, elastomers, coatings, adhesives and fibers.

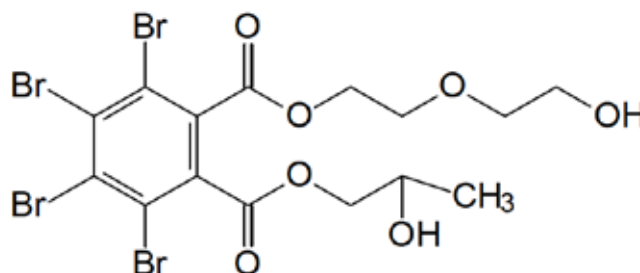
PRODUCT FEATURES

- Same CAS # and EINECS as PHT4-DIOL™
- Drop-in replacement by weight for PHT4-DIOL™ in most applications
- Low viscosity (pours at room temperature)
- 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™ LV	
Appearance	Lt. Brown Viscous Liquid
Bromine Content, %	43
Specific Gravity @ 25 °C, g/ml	1.7
Hydroxyl Number (mg KOH/g)	210 - 275
Acid Value (mg KOH/g)	0.15 max

Viscosity			
Temperature, °C	25	50	80
Viscosity, cps	22,500	1,500	175

Thermogravimetric Analysis (10 mg @ 10 °C/minute under N ₂)				
Weight Loss, %	5	10	50	95
Temperature, °C	127	151	325	382

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

Storage and Handling Precautions

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. The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling.

Shipping Information

Not regulated

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

Packaging

Bulk

Steel Drums 4 per pallet

Net weight (lbs/kg)

Drum 750 lbs/ 340 kgs

Pallet 3,000 lbs/1,360 kgs



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