湘园化工
Xiangyuan Chems

HQEE

Chemical Name: Hydroquinone Bis (beta-hydroxyethyl) Ether
CAS No. : 104-38-1

PHYSICAL PROPERTIES

Appearance	Offwhite powder
Melting Range °C	102-105
Water Content %	≤0.2
Hydroxyl Value	535±15mg KOH/g
Boiling Point at 0.3mm Hg, ℃	190
Solubility at 25℃,wt.% Water Acetone Ethanol Ethyl Acetate Ethane Dimethylacetamide (DMAC)	 <1 4 4 1 <1 ⩾1
Specific Heat Cal/g /℃	0.4
Melt Density at 110℃ g/ml	1.15
Melt Viscosity at 110℃, cp	15
Bulk Density (loose) g/ml	0.51
Bulk Density (packed) g/ml	0.62
Pounds/53 gallons	250
Hygroscopicity, % Dried at 50℃,34mmHg, 16hrs At 24℃, 66.5 Relative Humidity, 168hrs	 0.08 0.39

APPLICATIONS

HQEE is a symmetrical aromatic diol chain extender. It can improve tensile, hardness, resilience properties to MDI-polyurethane elastomers. HQEE/MDI is a PU elastomer series parallels MOCA/TDI. Finished products as: oil well seals, forklift tires, conveyor belt, hydraulic cylinder seals, many other PU products and spandex. LCU elastomers require two principle components: a prepolymer terminated with reactive isocyanate groups and a difunctional active hydrogen-terminated chain extender. Prepolymer is a product based on the reaction of polyester or polyether with isocyanate (TDI, MDI, ADI). The chain extender is usually a short chain of diamine or diol. MDI prepolymers are usually extended with diols.

STORAGE
HQEE is very sensitive to moisture, it should be stored in a dry location.

PACKAGING
Net 20-kg carton drum with polyethylene liner.