

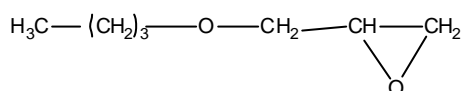
BGE

Reactive Diluent

General Description

BGE is a monofunctional reactive diluent of the glycidyl ether used in order to reduce the viscosity of Epoxy Resin and prevent lowering physical properties after being cured from adding diluent. BGE can be used in various paints, floor coating, etc.

Structure



$\text{C}_7\text{H}_{14}\text{O}_2$ Mw : 130.0

Typical Properties

Item	BGE	Test Method
EEW(g/eq)	141-150	
Viscosity(cps at 25°C)	1-5	
Color(APHA)	30 max.	

Application

1. Reactive solvent for epoxy resin :
Tooling, Electrical applications, Flooring, Highly filled coatings
2. Stabilizer in Chloro compounds.
3. Chemical intermediate.

Physical State

Clear Liquid

Storage Life

At least 12months in sealed containers at ambient temperature.

Recommended Usage

BGE can be used as below to reduce the viscosity of mother resin which is a standard liquid Epoxy Resin like SHELL 828(initial viscosity = 12,500cps at 25°C).

Weight percent(BGE)	Viscosity(cps at 25°C)
5%	3,300
10%	1,100
15%	500
20%	300

Handling Precautions

BGE can irritate skin, eyes and mucous membranes. Repeated direct skin contacts may cause dermatitis or sensitization. Vapor may cause light narcotic effect. BGE may form in a longer period of storage, peroxide. It is recommended to test for peroxide before using such material.

Packaging

200 liters steel drums and 20 liter Can.