

D-669 (Ethylene glycol diglycidyl ether) Epoxy Reactive Diluent

1. Description

Chemical Name: Ethylene glycol diglycidyl ether, Molecular formula: $C_8H_{14}O_4$. molecular weight: 174, Structural Formula:
 $O(CH_2CH)CH_2OCH_2CH_2OCH_2(CH_2CH_2)O$

CAS Number: 2224-15-9

Physical and Chemical Character: Colorless Transparent Liquid, miscible in most of organic solvent, part of which is miscible in water, harmful to skin, specific gravity:1.08;Boiling point:118-120°Crefractive index (20°C): 1.4344~1.4354.

2. Technical Data Sheet(TDS):

Appearance: Colorless transparent liquid

Color, APHA	≤100
Viscosity, mPas (25°C)	15-25
Epoxide equivalent, g/eq	≤134
Epoxy value, eq/100g	≥0.68
Hydrolyzable chloride, eq/100g	≤0.02
Inorganic chlorine, eq/100g	≤0.005
Moisture content, %	≤0.1

3. Application:

To be used together with liquid epoxy resin, suitable for epoxy embedding material, casting material, coating material, floor material, and adhesive. Textile treating agent, silk shrinkproof and resistance agent, Perchloride and PVC heat - stabilization agent.

Dosage: In general, D-669 should be 10-30% of Epoxy Resin in weight. D-669 contains epoxy group which can neutralize curing agent, so it is necessary to add the quantity of curing agent in course of using.

4. Packing

- Packed in 25 kg/barrel or 200 kg/barrel
- Storage and transportation must conform to basic requirements of normal chemicals.
- Store in a cool, dry and well ventilated area. Keep away from ignition sources, heat and flame and sunlight.
- It is necessary to maintain insulated (tightly seal) after use, in order to avoid negative influence arising from moisture absorption.