

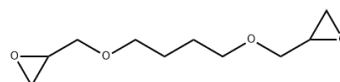
Technical Data Sheet

Basic information

Chemical name	1,4-Butanediol Diglycidyl Ether
Synonyms	BDDE
CAS.No.	2425-79-8
EINECS No.	219-371-7
Molecular weight	202.25

Formula C₁₀H₁₈O₄

Chemical structure



Physical properties

Appearance	Clear yellow liquid
Melting point	-21 °C
Boiling point	266 °C (lit.)
Density	1.1 g/mL at 25 °C (lit.)
Vapor pressure	~10 mm Hg (20 °C)
Refractive index	n ₂₀ /D 1.453
Fp	>230 °F
Solubility	Chloroform (Soluble), Methanol (Slightly)
Specific Gravity	1.07
Water Solubility	SOLUBLE
Stability:	Hygroscopic

Specification

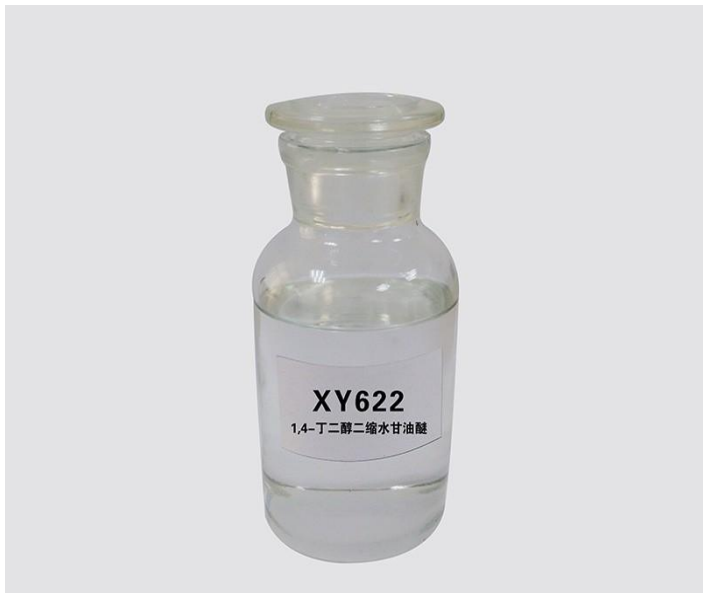
Items	Specification
Color, APHA	≤40
Viscosity, mPa.s (25 °C)	10 ~ 25
Epoxy Equivalen,g/eq	122 ~ 135
Hydrolyzable Chloride,%	≤0.30
Inorganic Chlorine,mg/kg	≤50
Moisture content,%	≤0.10

Application

1,4-Butanediol diglycidyl ether is used for preparing amylose, xylan and hydroxyethyl-cellulose, to cross link polyethylenimine which also serves as a hole-blocking layer in organic solar cells, to cross link hyaluronic acid into hydrogels and for the activation of soluble dextran polymers. It is the most commonly used homobifunctional epoxide compound

Package

- 200kg/drum, 16 mt per 20'ft container ;



Safety on transportation

It belongs to common goods, always refer to MSDS.

Storage and handling

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.

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