

# Technical Data Sheet

## ChangFu® BEX12

1,3-Bis[2-(3,4-epoxycyclohexyl)ethyl]-1,1,3,3-tetramethyldisiloxane



**Description** ChangFu® BEX12 is a specialty siloxane featuring dual-end epoxycyclohexyl groups. Its unique structure provides low surface tension and superior lubrication, making it an excellent additive in coatings, adhesives, and advanced composite materials.

**Features & Benefits** High reactivity.  
Superior crosslinking efficiency.  
Suitable for water-borne systems.  
Excellent compatibility with epoxy resins.

**Applications** Used in coatings and inks to enhance weatherability, hardness, and elasticity.  
Used in adhesives and sealants to improve bonding strength and flexibility.  
Used in electronic encapsulants to provide excellent dielectric properties.

## Typical Properties

Description	1,3-Bis[2-(3,4-epoxycyclohexyl)ethyl]-1,1,3,3-tetramethyldisiloxane
Product No.	ChangFu® BEX12
CAS No.	18724-32-8
Formula	C <sub>20</sub> H <sub>38</sub> O <sub>3</sub> Si <sub>2</sub>
Purity	min 97%
Color	Colorless or light yellow
Appearance	Clear liquid

**Package** Offered in 25L pails and 200L drums.  
Custom packaging is available.

**Storage** Stored in a cool, well-ventilated place.  
Keep the container tightly closed.

**Transportation** See the corresponding Safety Data Sheet.