

HANSON CHEMICALS

Product Name

Polyether Amine LHD-143

Product Features and Advantages

LHD-143 is a poly-propylene oxide compound mainly composed of primary amino groups. It features low viscosity, low chroma (color), and low vapor pressure, making it highly suitable for high-performance epoxy and polyurethane systems.

Application Scope

- Curing agent for epoxy resin
- Jewelry glue (hard glue)
- Wind turbine blade epoxy resin curing agent
- Building structure adhesive curing agent
- Viscosity increasing agent for polyurethane sealants
- Electronic sealant curing agent
- Crosslinking agent in RIM polyurethane and spray polyurea systems
- Composite materials (fishing rods, golf clubs, tennis rackets)

Typical Properties

Molecular Weight	About 430
Appearance	Colorless to Light Yellow Liquid
Density (g/ml at 25C)	0.978 (8.12 lb/gal)
Total Amine (meq/g)	6.1 - 6.8
Functionality	3
Primary Amine (%)	>90
Color (Pt-Co, APHA)	<=50
Water Content (wt%)	<=0.25
Viscosity (cSt at 25C)	72
Flash Point PMCC (C)	196C (384.8F)
pH	11.6
CAS Number	39423-51-3

Packaging and Shipping

- Drum: 200 kg net weight
- IBC: 950 kg net weight

Storage and Handling

Polyether Amine LHD-143 should be stored in tightly closed containers in a cool, dry place. Protect from moisture and

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direct sunlight. Follow standard industrial hygiene practices including the use of gloves and eye protection. In case of contact with skin or eyes, rinse immediately with water and seek medical advice if necessary.