

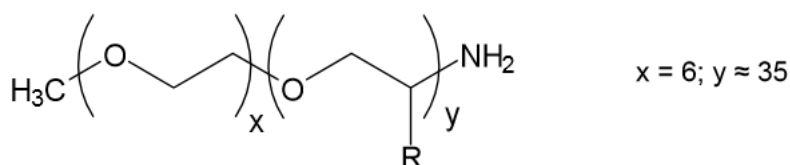


Description

ZHENGD A[®] ZM-1207 Polyether Amine

ZHENGD A ZM-1207 (Equal To Huntsman Jeffamine M2070)

Polyether Amine (also called Amine-terminated Polyether) is a monoamine based on a copolymer backbone. As shown by the representative structure, ZM-1207 polyetheramine is a monofunctional, primary amine with an average molecular weight of about 2,000. The propylene oxide/ethylene oxide (PO/EO) mol ratio is 10/31.



R = H for (EO), or CH_3 for (PO)

APPLICATIONS

- Formulating emulsifiers, pressure sensitive adhesives, and corrosion inhibitors
- Reactive dispersant

BENEFITS

- Surfactant properties to modify a variety of resin types
- Water soluble

SALES SPECIFICATIONS

<u>Property</u>	<u>Specifications</u>
Appearance	Colorless to pale yellow liquid with slight haze permitted
Color, Pt-Co	75max.
Primary amine, % of total amine	95min.
Total acetyltables, meq/g	0.48-0.52
Total amine, meq/g	0.45min
Water, wt%	0.25 max.

ADDITIONAL INFORMATION

AHEW (Amine hydrogen equivalent wt.), g/eq	1040	Flash point, PMCC, °C (°F)	243 (469)
Viscosity, cSt, 37.8°C (100°F)	186	PH	11
Density, g/ml (lb/gal), 25°C	1.072 (8.92)	CAS Number	83713-01-3
Melting point, °C (°F)	17(63)		



TOXICITY AND SAFETY

For additional information on the toxicity and safe handling of this product, consult the Material Safety Data Sheet (Safety Data Sheet in Europe) prior to use of this product.

HANDLING AND STORAGE

Materials of Construction

At temperatures of 75-100°F (34-38°C)

Tanks	Carbon steel
Lines, valves	Carbon steel
Pumps	Carbon steel
Heat exchange Surfaces	Stainless steel
Hoses	Stainless steel, polyethylene, polypropylene, and TEFLON®
Gaskets, packing	Polypropylene or TEFLON® (elastomers such as neoprene, Buna N, and VITON® should be avoided)
Atmosphere	Nitrogen or dry air

At temperatures above 100°F (38°C)

Tanks	Stainless steel or aluminum
Lines, Valves	Stainless steel
Pumps	Stainless steel or Carpenter 20 equivalent
Atmosphere	Nitrogen

ZHENGDA® ZM-1207 Amine-terminated Polyether may be stored under air at ambient temperatures for extended periods. A nitrogen blanket is suggested for all storage, however, to reduce the effect of accidental exposure to high temperatures and to reduce the absorption of atmospheric moisture and carbon dioxide. It should be noted that pronounced discoloration is likely to occur at temperatures above 140°F (60°C), whatever the gaseous pad. Cleanout of lines and equipment containing ZHENGDA ZM-1207 Amine-terminated Polyether can be accomplished using warm water and steam. In the event of spillage of this product, the area may be flushed with water. The proper method for disposal of waste material is by incineration with strict observance of all federal, state, and local regulations.

AVAILABILITY

ZHENGDA ZM-1207 Amine-terminated Polyether is available in 5-gallon (19L) cans, and 55-gallon (208L) drums of 460 pounds (209kg) net weight.

Samples are available by contacting our office.

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