

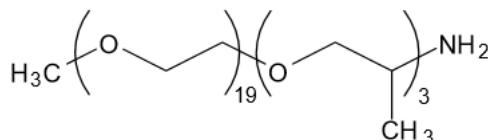


Description

ZHENGD A[®] ZM-1100 Polyether Amine

ZHENGD A ZM-1100 (Equal To Huntsman Jeffamine M1000)

Polyether Amine (also called Amine-terminated Polyether) is a polyether monoamine of approximately 1000 molecular weight. With a PO/EO ratio of about 3/19, it is relatively hydrophilic. It is a white waxy solid at room temperature.



APPLICATIONS

- Ore flotation agent
- Corrosion inhibitor
- Agricultural emulsifier
- Emulsification of epoxy resins

BENEFITS

- Amine group more reactive than alcohol
- Water solubility useful in many applications
- Flexibility from polyether segment

SALES SPECIFICATIONS

Property

Appearance, 60°C

Color, Pt-Co

Primary amine, % of total amine

Total acetyltables, meq/g

Total amine, meq/g

Water, wt%

Specifications

Colorless to pale yellow liquid
with slight haze permitted

75max.

90 min.

0.95-1.15

0.94min

0.25 max.

ADDITIONAL INFORMATION

AHEW (Amine hydrogen equivalent wt.), g/eq

489

Flash point, PMCC, °C (°F)

98 (208)

Density, g/ml (lb/gal), 38°C

1.066 (8.90)

CAS Number

83713-01-3

Melting point, °C (°F)

29(85)



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-1100 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-1100 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

Samples are available by contacting our office.

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