

Technical Bulletin**JEFFAMINE[®] M-2070 Polyetheramine**

JEFFAMINE M-2070 Polyetheramine is based on copolymer of EO/PO backbone. JEFFAMINE M-2070 Polyetheramine is a monofunctional with primary amine. It is liquid at room temperature.

- 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>	<u>Test Method*</u>
Appearance	Colorless to pale yellow liquid with slight haze permitted	ST-30.1
Color, Pt-Co	75 max.	ST-30.12
Conversion, total amine as % of total acetylatables	95 min.	Calculated
Primary amine, % of total amine	95 min.	ST-5.34
Total acetylatables, meq/g	0.48 – 0.52	ST-31.39
Total amine, meq/g	0.45 min	ST-5.35
Water, wt%	0.25 max.	ST-31.53, 6

*Methods of Test are available from Huntsman Corporation upon request.

ADDITIONAL INFORMATION**Regulatory Information**

See MSDS for all regulatory information

Typical Properties

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

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 ^{®1}
Gaskets, packing	Polypropylene or TEFLON ^{®1} (elastomers such as neoprene, Buna N, and VITON ^{®1} 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

¹VITON[®] and TEFLON[®] are registered trademarks of Dupont.

JEFFAMINE[®] M-2070 polyetheramine 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 JEFFAMINE M-2070 polyetheramine 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

JEFFAMINE[®] M-2070 polyetheramine is available in 55-gallon (208L) drums of 460 pounds (209kg) net weight, and 5-gallon (19L) cans. Small samples can be obtained by contacting any Huntsman Performance Products sales office.

Technical Data Sheets are updated frequently. Please ensure that you have a current copy.

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