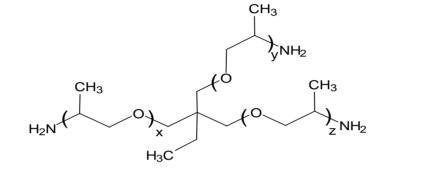


# Advance Technical Data JEFFADD<sup>™</sup> MW-703 Polyetheramine

**JEFFADD™ MW-703** polyetheramine is a trifunctional primary amine that is used in water-miscible metalworking fluids. The amine can be applied to various types of cutting and forming fluids to enhance the performance of a formulation. JEFFADD™ MW-703 amine is low in viscosity, odor, and vapor pressure, making it much easier to handle and use.



(x+y+z) = 5-6

## **Key Features**

- Increases lubricity
- Is low foaming
- Has a low tendency to leach
- cobalt/copper from tooling

- Provides a source of alkalinity
- Can improve formulation stability

## **PROPOSED SALES SPECIFICATIONS**

#### **Property**

Appearance Color, Pt-Co Primary amine, % of total amine Total amine, meq/g Water, wt%

## **Specifications**

Colorless to pale yellow with slight haze 50 max. 90 min. 6.1 min. – 6.6 max. 0.25 max.

#### Test Method\* ST-30.1

ST-30.12 ST-5.34 ST-5.35 ST-31.53, 6

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

## **ADDITIONAL INFORMATION**

#### Regulatory Information

See SDS for all regulatory information.

### **Typical Properties**

Flash point, PMCC, °C (°F)	196 (385)
Density, g/ml (lb/gal), 25°C	0.978 (8.12)
Molecular Weight, approximate	440
pH, 5% aqueous solution	11.6
Viscosity, cSt, 25°C (77°F)	72
Vapor Pressure, mmHg	
181°C	1
207°C	5
Water solubility. %	>30



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#### TOXICITY AND SAFETY

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

HANDLING AND STORAGE Materials of Construction At temperatures of 75-100°F (24	-38°C)
Tanks	Carbon steel
Lines, valves	Carbon steel
Pumps	Carbon steel
Heat exchange Surfaces	Stainless steel
Hoses	Stainless steel, polyethylene, polypropylene, and TEFLON <sup>®1</sup>
Gaskets, packing	Polypropylene or TEFLON <sup>®1</sup> (elastomers such as neoprene, Buna N, and VITON <sup>®1</sup> 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

<sup>1</sup>VITON<sup>®</sup> and TEFLON<sup>®</sup> are registered trademarks of Chemours.

JEFFADD<sup>™</sup> MW-703 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. Pronounced discoloration is likely to occur at temperatures above 140°F (60°C), whatever the gaseous pad.

Cleanout of lines and equipment containing JEFFADD™ MW-703 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**

JEFFADD™ MW-703 polyetheramine is available in tank cars, tank wagons, and 55-gallon (208L) drums of 440 pounds (200kg) net weight. Samples are available in North America by contacting our sample department at 1-800-662-0924. Samples in other locations are available by contacting any Huntsman Corporation sales office.

#### 5409-0516

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