# NORTH METAL & CHEMICAL COMPANY

*World Class* Molybdenum & Tungsten Compounds

*Since 1921*

AMINE

# Technical Bulletin

# DEHA

***About us.....***

- Founded in York, PA in 1921, NM&C remains a financially stable, family owned producer of *World Class* Molybdenum & Tungsten compounds serving the Metal Finishing, Agriculture, Water Treatment, Pigment, and Antifreeze markets worldwide.
- NM&C maintains over $2 million inventory of finished goods and ore concentrates to guarantee our customers a stable and secure source of molybdate in the event of a crisis or shortage.
- All orders for one drum to truckload quantities are shipped the next business day or as requested.
- NM&C molybdates are American Made and backed by full 'Cradle-to-Grave' product liability.
- NM&C is unrivaled in customer service and technical support.
- Strict Quality Assurance programs and ISO 9002 practices assure products of the highest quality and consistency.

## Description:

DEHA (N,N-diethylhydroxylamine, 85% aqueous) is a clear to light yellow liquid, free of suspended matter. It is miscible with water with almost all organic solvents.

## Technical Specifications: $(C_2H_5)_2NOH$

(CAS 3710-84-7)

| | |
|---|---|
| Form | Clear to light yellow liquid |
| Empirical Formula | $(C_2H_5)_2NOH$ |
| Molecular Weight | 89.1 |
| Freezing point, °C | -25 °C |
| Specific gravity; @ 20/20/°C | 0.902 |
| Flash point, °C | 46°C; 115°F |
| Boiling point range, °C | IBP: 125°C min.<br>DP: 130°C max. |
| Solubility in Water (20°C) | 35% |
| DEHA, % wt. | ≥ 85 |
| Water, wt. % | ≤ 15.0 |
| Color, APHA | ≤ 250 |

**Applications:** DEHA is used as an oxygen scavenger in boiler systems, a resin remover and bleach for timber, a antidiscolorant for phenolic compounds, and as a hardener for silicone rubber and sealants.

**Packaging:** Available in 400lb. Poly drums.

**Shelf Life:** Has an almost unlimited shelf life when properly stored in unopened container.

**Safety**: DEHA is flammable and harmful by inhalation or skin contact. Refer to MSDS for additional precautions.

NORTH METAL & CHEMICAL CO.
P.O. Box 1904, 609 E. King St.
York, PA 17402

Phone: (717) 845-8646
FAX: (717) 846-7350
Email: north@nmc-nic.com
Web: www.nmc-nic.com

DEHA - Technical Data Sheet

The information contained herein is based on the data available to us and is believed to be accurate as of the date prepared however, North Metal & Chemical Co. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.