



# NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds  
Since 1921

## 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. 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.



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