



NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds

Since 1921

Technical Bulletin

CYCLOHEXYLAMINE

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:

Cyclohexylamine (CHA) is a clear colorless liquid free of suspended matter. It is miscible with water and almost all common organic solvents.

Technical Specifications: (C₆H₁₃N) (CAS No. 108-91-8)

Assay, % wt.	99.7 min.*
Empirical Formula	C ₆ H ₁₃ N
Molecular Weight	99.18
Freezing point, °C	-16°C; 3°F
Density @ 20°C g/cm ³	.867
Flash point, (open cup) °C	5°C
Boiling point range, °C	IBP: 133°C min. DP: 135°C max.
Weight/gallon, lbs.	7.2
Cyclohexanol, % wt.	0.05 max.**
Water, wt. %	0.10 max.
Color, Hazen	50 max.

* Typical content of Cyclohexylamine is 99.8%

** Typical content of Cyclohexanol is 0.00%

Applications: Cyclohexylamine is used as a corrosion inhibitor in boiler feed water and has important applications as a chemical intermediate in insecticides, dry-cleaning soaps, gas absorbents, rubber chemicals and plasticisers.

Packaging: Available in 386lb. non-returnable steel drums.

Shelf Life: At least one year when properly stored in unopened container.

Safety Cyclohexylamine is corrosive to the skin and eyes. Inhalation of vapors may irritate the respiratory tract. Flammable. Refer to MSDS for additional precautions.



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