



NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds

Since 1921

Technical Bulletin

SODIUM BENZOTRIAZOLE SOLUTION

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:

A colorless to pale yellow liquid of 40% sodium benzotriazole solution in water. Soluble in water, benzene, toluene, chloroform, and miscible with lower alcohol and ethylene glycol.

Technical Specifications: (C₆H₄N₃Na)

CAS No. 15217-42-2

Physical Form	Colorless to pale yellow liquid
Odor	No odor
Benzotriazole % by weight	33.5 – 34.5
Density (lb./gal @ 20°C)	1.174 (10.3 lbs./gal)
Freezing point (°C)	-5° to -10°
Flash point (closed cup)	> 195°C
Color (Gardner)	< 3
Chloride	100 ppm max.
pH (10% solution)	11.2 – 11.7

Application: Sodium benzotriazole 40% solution is commonly used as a corrosion inhibitor for yellow metal protection in cooling tower products, engine coolants, metal working fluids, inks and cleaners.

Packaging and Storage: Available in 500 lb. poly drums (55 gal.). Store in cool, dry place away from any heat source.

Safety: Avoid exposure to eyes, skin or clothing. Refer to MSDS for handling, exposure and cleanup information.



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