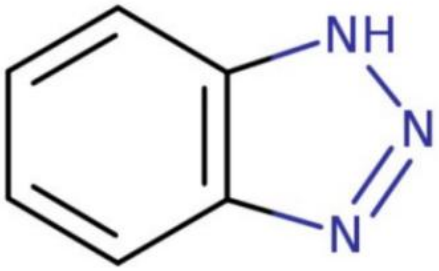
1,2,3-Benzotriazole (BTA)

CAS No.	95-14-7	**EINECS No.**	202-394-1
Molecular Formula	$C_6H_5N_3$	**Molecular Weight**	119.12

Structural Formula



Product Features

Benzotriazole(BTA) can be absorbed on metal surface and form a thin film to protect copper and other metals.Benzotriazole(BTA) is bitter,soluble in alcohol and slightly soluble in water. It's mainly used as rust-preventer, antifreeze, antioxidant (in lubricating oil, hydraulic oil, brake oil, transformer's oil), emulgent, water stabilizer, the additive for high molecular materials (polyester and polyesteramide) capacity of ultraviolet resistance and anti-static electricity, photographic antifogging agent, copper mine flotation, metal's slow corrosion etc.

Technical Specification

Parameter	Standard
Appearance	White to light yellow needle-shape crystalloids or granular
Purity, %	99.5 min
Moisture, %	0.10 max
Ash content, %	0.05 max
PH	5.0-6.0

Applications & Usage

Benzotriazole(BTA) can be used in different applications in major industries. For example, it is used in cooling water or boiler systems by the industrial water treatment. Benzotriazole(BTA) can be also used in coolants and antifreeze products. Another application is the use as an additive in industrial lubricants, like e.g. drilling and cutting fluids. Benzotriazole(BTA) does also work to protect silver ware in dishwashing tablets and can be further used in metal detergents.Recommended dosage 1-2mg/L when used in circulating cooling water system.

Package & Storage

20KG Bag for needle	25kg Bag for granular
	
Storage for 12 months in shady room and dry place.	

Hazard & Safety Precaution

Hazard Information	Safety Precaution
Not Regulated	
Once contacted with eye and skin, flush with plenty of clean water.	

Alternative Name / Synonyms

- BTA
- Benzotriazole
- 1H-Benzotriazole
- 1,2,3 Benzotriazole
- 1H-1,2,3-benzotriazole
- 1,2,3-Triazoles
- 1,2,3-Triazaindene
- 1,2-Aminoazophenylene