CG 601 Technical Date Sheet

1. Chemical Composition

Chemical Name: Benzotriazole

CAS #: 95-14-7

2. Product Description

CG 601, Benzotriazole, is a heterocyclic chemical. It is a fused ring structure with a benzene ring fused to a triazole ring, with both rings being aromatic. Benzotriazole, its inorganic salts, and its derivatives, are widely used as corrosion inhibitors, mainly for copper and its alloys, in many industries, such as water treatment and lubricants. Benzotriazole can also be used as a chemical intermediate to synthesize many products with significant applications, such as the synthesis of acylbenzotriazole and its derivatives.

3. Applications

- Chemical Intermediate for multiple industries.
- Corrosion inhibitor for copper and brass.
- Rust preventative.
- Antioxidant.
- Emulsifier.
- Antifogging agent.
- UV resistant agent.
- Used in water treatment, antifreeze fluids, and lubricants.

4. Typical Chemical and Physical Properties

Property	Results
Appearance	White to off-white solid
Density, 20 °C, g/cm^3	1.36
Water content, % wt	0.1
Purity	99
Melting Point, °C	96 - 99
Boiling Point, °C	350
Water solubility, g/l	20

5. Packaging

25 kg / bag

6. Handling and Storage

Recommended handling temperature: Ambient temperature preferred.

Storage: the product is recommended to be stored in cool and dry areas. Direct sunlight should be avoided. Ambient temperature is highly recommended for long-term storage.

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