



Specialized in chemicals

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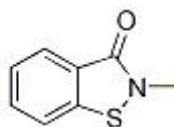
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## Technical Data Sheet

### **2-Methyl-1,2-benzothiazol-3(2H)-one**

#### Product Information

Chemical Name	2-Methyl-1,2-benzothiazol-3(2H)-one
CAS #	2527-66-4
Formula	C8H7NOS
Molecular Weight	165.21
Synonyms	MBIT,N-methyl-1,2-benzisothiazol-3(2H)-one
Chemical Structure	



#### Description

2-Methyl-1,2-benzisothiazol-3(2H)-one (MBIT) is an off-white to light brown solid that is the active ingredient in a series of biocide.MBIT is active against bacteria, yeasts, and molds. It is used in biocide formulations for in-can preservation of aqueous technical products.

#### Physical Properties

Density:	1.315g/cm3
Boiling point:	294.3° C
Flash point:	131.8° C
Vapour pressure:	0.00164mmHg at 25° C

#### Specification

Index name	Spec
Appearance	White crystal
Assay,%	96.0 Min
Melting point	51-54°C
Water,%	0.5 Max

## Safety

Always refer to the Material Safety Data Sheet (MSDS)

## Applications

2-Methyl-1,2-benzisothiazol-3(2H)-one (MBIT) is active against bacteria, yeasts, and molds.

It is used in antimicrobial formulations for in-can preservation or preservatives for products during storage such as paints, plasters, adhesives, latex emulsions, tackifiers, mineral slurries, pigment dispersions, household products and other technical, water-based products.

It is also used as working or cutting fluid preservative for preventing the growth of microorganisms (bacteria, fungi)

## Packaging

25kg per fiber drum

## Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.

Store in a cool, dry, well-ventilated area away from incompatible substances.

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.

Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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