

【Product Name】

Benzisothiazolin-3-one

【Synonyms】

1,2-Benzisothiazol-3(2H)-one
1,2-Benzisothiazol-3-ol
3-Hydroxy-1,2-benzisothiazole
Benzisothiazolone
Benzocil
Proxel AB

【CAS】

[2634-33-5](#)

【Formula】

C7H5NOS

【Molecular Weight】

151.19

【EINECS】

220-120-9

【RTECS】

DE4620000

【RTECS Class】

Drug

【Beilstein/Gmelin】

119510

【Beilstein Reference】

4-27-00-02648

Physical and Chemical Properties

【Solubility in water】

Slightly soluble

【Melting Point】

160 - 161

【pKa/pKb】

10.2 (pKa)

【Partition Coefficient】

1.77

【Heat Of Vaporization】

【Usage】

Used in the production of pesticide products.

First Aid Measures

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【Ingestion】

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

【Inhalation】

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

【Skin】

In case of contact, immediately wash skin with soap and copious amounts of water.

【Eyes】

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Handling and Storage

【Storage】

Keep tightly closed.

Hazards Identification

【Inhalation】

May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

【Skin】

Causes skin irritation. May be harmful if absorbed through the skin.

【Eyes】

Irritant

【Ingestion】

Harmful if swallowed.

【Hazards】

Emits toxic fumes under fire conditions.

【EC Risk Phrase】

22 38 41 43 50

【EC Safety Phrase】

24 26 37/39 61

【UN (DOT)】

3077

Exposure Controls/Personal Protection

【Personal Protection】

Compatible chemical-resistant gloves. Chemical safety goggles.

【Respirators】

Government approved respirator.

【Exposure Effects】

Harmful. Dangerous for the environment. Harmful if swallowed. Irritating to skin. Risk of serious damage to eyes. May cause sensitization by skin contact. Very toxic to aquatic organisms.

【Poison Class】

3

Fire Fighting Measures

【Fire Fighting】

Extinguish using Water spray. Carbon dioxide, dry chemical powder, or appropriate foam. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

【Fire Potential】

May burn but does not ignite readily.

Accidental Release Measures

【Small spills/leaks】

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Stability and Reactivity

【Stability】

Stable at normal temperatures and pressures.

【Incompatibilities】

Strong oxidizing agents.

【Decomposition】

Carbon monoxide, Carbon dioxide.

【Combustion Products】

Fire may produce irritating, corrosive and/or toxic gases.

Transport Information

【UN Number】

3077