



Wuhan Xinru Chemical Industry Co., Ltd

Add: Room 2805, North Fuxinhuiyu, Changqing Road, Wuhan, China 430015

Tel: +86-27-5984 3600 Fax: +86-27-6666 0488

MATERIAL SAFETY DATA SHEET

Product Identification

【Product Name】

Sodium 1,2-benzisothiazolin-3-one-1,1-dioxide

【Synonyms】

1,2-Benzisothiazol-3(2H)-one,1,1-dioxide, sodium salt
Sodium 1,1-dioxo-1,2-benzothiazol-2-id-3-one
Sodium benzosulphimide

【CAS】 128-44-9

【Formula】 C₇H₅NNaO₃S

【Molecular Weight】 205.18

【EINECS】 204-886-1

【RTECS】 DE4550000

【RTECS Class】 Tumorigen; Drug; Mutagen; Reproductive Effector

Physical and Chemical Properties

【Appearance】

Odorless white crystals or crystalline powder. Intensely sweet taste.

【Solubility in water】 800 g/L

【Usage】 Artificial sweetner.

First Aid Measures



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【Ingestion】

First aid is not normally required. If symptoms develop, seek medical attention.

【Inhalation】

First aid is not normally required. If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention.

【Skin】

First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.

【Eyes】

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Handling and Storage

【Storage】 Store in closed containers in a dry, well-ventilated area.

【Handling】

Handling: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Hazards Identification

【Ingestion】 Swallowing this material is not likely to be harmful.

【Inhalation】 Breathing this material is unlikely.

【Skin】

Unlikely to cause skin irritation or injury. This material is unlikely to pass into the body through the skin.

【Eyes】 Unlikely to cause eye irritation or injury.

Exposure Controls/Personal Protection



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【Personal Protection】

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Wear resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

【Respirators】

Wear a NIOSH-approved half face respirator equipped with a combination filter cartridge, i.e. organic vapor/acid gas/HEPA (specific for organic vapors, HCl, acid gas, SO₂ and a high efficiency particulate filter).

Fire Fighting Measures

【Fire Fighting】

Fires involving this compound should be controlled with a dry chemical, carbon dioxide or Halon extinguisher. A water spray may also be used.

【Fire Potential】

This material is probably combustible.

Accidental Release Measures

【Small spills/leaks】

If you spill this chemical, you should dampen the solid spill material with water, then transfer the dampened material to a suitable container. Use absorbent paper dampened with water to pick up any remaining material. Seal your contaminated clothing and the absorbent paper in a vapor-tight plastic bag for eventual disposal. Wash all contaminated surfaces with a soap and water solution. Do not reenter the contaminated area until the Safety Officer (or other responsible person) has verified that the area has been properly cleaned.

Stability and Reactivity

【Incompatibilities】

May react with oxidizing agents.

【Stability】 Stable.

【Decomposition】 Oxides of carbon.