

8-HYDROXYQUINOLINE SULFATE

Company Information

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Product Identification

【Product Name】

Bis(8-hydroxyquinolinium) sulphate

【Synonyms】

8-Hydroxyquinoline sulfate

8-Quinolinol sulfate (2:1)

Chinosol

Cryptonol

Quinolin-1-ium-8-ol sulfate

【CAS】

[134-31-6](#)

【Formula】

C₁₈H₁₆N₂O₆S

【Molecular Weight】

388.42

【EINECS】

205-137-1

【RTECS】

VC8260000

【RTECS Class】

Agricultural Chemical and Pesticide; Mutagen

【Beilstein/Gmelin】

3760550

【Beilstein Reference】

5-21-03-00252

【EC Index Number】

613-017-00-9

【EC Class】

Harmful

Physical and Chemical Properties

【Appearance】

Pale yellow to yellow crystalline powder with a slight saffron odor. Burning taste.

【Solubility in water】

Soluble.

【Melting Point】

177.5

【Usage】

Bactericide, fungicide.

First Aid Measures

【Ingestion】

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

【Inhalation】

Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

【Skin】

Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

【Eyes】

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Handling and Storage

【Storage】

Store in a cool, dry place. Keep container closed when not in use.

【Handling】

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Hazards Identification

【Ingestion】

See inhalation.

【Inhalation】

Toxic symptoms include anorexia, malaise, and a general indifference to sound and light. This compound may cause skin, eye and respiratory tract irritation.

【Skin】

See inhalation.

【Eyes】

See inhalation

Exposure Controls/Personal Protection

【Personal Protection】

Eyes: Wear chemical goggles. Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to minimize contact with skin.

【Respirators】

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

【Poison Class】

Fire Fighting Measures

【Fire Fighting】

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Extinguishing media: Use agent most appropriate to extinguish fire.

Accidental Release Measures

【Small spills/leaks】

Clean up spills immediately, using the appropriate protective equipment.

Stability and Reactivity

【Incompatibilities】

Reacts as acid to neutralize bases.

【Stability】

Stable under normal temperatures and pressures.

【Decomposition】

Irritating and toxic fumes and gases.