



Wuhan Xinru Chemical Industry Co., Ltd

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

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MATERIAL SAFETY DATA SHEET

Product Identification

【Product Name】

Sodium chlorite

【CAS】 7758-19-2

【Formula】 NaClO₂

【Molecular Weight】 90.44

【EINECS】 231-836-6

【RTECS Class】 Tumorigen; Mutagen; Reproductive Effector; Human Data

【Merck】 12,8743

【Beilstein/Gmelin】 11022 (G)

Physical and Chemical Properties

【Appearance】 White solid with slight chlorine odor.

【Solubility in water】 Miscible

【Melting Point】 250 - 257

【Boiling Point】 112

【Density】 1.28 g/cm³ (20 C)

【Usage】

For bleaching cotton, rayon, other synthetic fibres, paper and pulp, fats, tallow, wooden materials, plants and food materials.

First Aid Measures

【Ingestion】

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.



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【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 immediately. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

【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】

Keep away from heat, sparks, and flame. Do not store near combustible materials. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

【Handling】

Wash thoroughly after handling. Use only in a well ventilated area. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Hazards Identification

【Ingestion】

Harmful if swallowed. Causes gastrointestinal tract irritation.

【Inhalation】

May cause cyanosis, characterized by bluish-colored skin. Dust is irritating to the respiratory tract. May cause respiratory tract irritation.

【Skin】 May cause skin irritation.

【Eyes】 May cause eye irritation.

【Hazards】



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May ignite combustibles (wood, paper, oil, clothing, etc.). Some will react explosively with hydrocarbons (fuels). Containers may explode when heated. Runoff may create fire or explosion hazard.

Exposure Controls/Personal Protection

【Personal Protection】

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent skin exposure.

【Respirators】

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

【Poison Class】 3

Fire Fighting Measures

【Flash Point】 180

【Fire Fighting】

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Strong oxidizer. Contact with combustible materials may cause a fire. Use water with caution and in flooding amounts. Extinguishing media: Use water only! Contact professional fire-fighters immediately.

【Lower exp. limit】 7

【Fire Potential】 Nonflammable.

Accidental Release Measures

【Small spills/leaks】

Absorb spill with inert material, (e.g., dry sand or earth), then place into a chemical waste container. Clean up spills immediately, using the appropriate protective equipment. Avoid generating dusty conditions. Remove all sources of ignition. Provide ventilation.

Stability and Reactivity



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【Stability】

Stable under normal temperatures and pressures.

【Incompatibilities】

Strong reducing agents, strong acids, ammonia, finely powdered metals, phosphorus, zinc.

【Decomposition】

Hydrogen chloride, sodium oxide.

【Combustion Products】

Fire may produce irritating and/or toxic gases.

Transport Information

【UN Number】 1496

【Hazard Class】 5.1

【Packing Group】 II