

# **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 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.



# **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

# [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]



# 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

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**

# XR

**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

# [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