



# 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 E-mail: xinru01@whxinru.cn

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## MATERIAL SAFETY DATA SHEET

### Product Identification

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**【Product Name】** Sodium bromide

**【Synonyms】**

Bromide salt of sodium  
Sedoneural

**【CAS】 7647-15-6**

**【Formula】** BrNa

**【Molecular Weight】** 102.9

**【EINECS】** 231-599-9

**【RTECS】** VZ3150000

**【RTECS Class】** Drug; Reproductive Effector

**【Merck】** 12,8737

**【Beilstein/Gmelin】** 13636 (G)

### Physical and Chemical Properties

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**【Appearance】**

White crystalline powder or granules, hygroscopic.

**【Solubility in water】** 488 g/L (25 C)

**【Melting Point】** 753

**【Boiling Point】** 1396

**【Vapor Pressure】** 10 (806 C)



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**【Density】** 3.2 g/cm<sup>3</sup>

**【Heat Of Vaporization】** 180.8 kJ/mol

**【Usage】** Photographic chemical.

**【Saturation Concentration】**

Approximately zero

**【Refractive Index】** 1.6459

### First Aid Measures

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#### **【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.

#### **【Inhalation】**

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

#### **【Skin】**

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

#### **【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

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**【Storage】** Store in a cool, dry place. Store in a tightly closed container.

#### **【Handling】**

Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with skin and eyes.



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### Hazards Identification

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#### **【Inhalation】**

May cause effects similar to those described for ingestion.

**【Skin】** May cause skin irritation.

**【Eyes】** May cause eye irritation.

#### **【Ingestion】**

May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Effects may be cumulative. May cause central nervous system effects such as psychosis, hallucinations, depression, visual changes and mental changes. Ingestion may cause skin eruptions and rash.

**【EC Risk Phrase】** R 36/37/38

**【EC Safety Phrase】** S 26 36

### Exposure Controls/Personal Protection

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#### **【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 a chemical apron.

#### **【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.

#### **【Exposure Effects】**

Chronic inhalation and ingestion may cause effects similar to those of acute inhalation and ingestion. May cause incoordination and mental disturbances.

**【Poison Class】** 3

### Fire Fighting Measures

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**【Flash Point】** 800

### **【Fire Fighting】**

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible. Extinguishing media: Use extinguishing media most appropriate for the surrounding fire.

### **Accidental Release Measures**

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#### **【Small spills/leaks】**

Vacuum or sweep up material and place into a suitable disposal container.

### **Stability and Reactivity**

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#### **【Stability】**

Stable under normal temperatures and pressures.

#### **【Incompatibilities】**

Strong acids - alkaloidal and heavy metal salts (lead, silver, manganese, antimony, mercury, etc.) - strong oxidizing agents - halogen halides - bromine trifluoride.

#### **【Decomposition】**

Hydrogen bromide, sodium oxide, bromine fumes.

### **Transport Information**

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**【HS Code】** 2827 51 00