



金沃泰  
KINGVOLT

# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Chloramine B  
CAS-No. : 127-52-6  
Synonym: N-Chloro Benzenesulfonamide Sodium Salt; Chloramine B Hydrate  
Company : Jiaxing Kingvolt Import & Export Co.,Ltd  
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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Formula :  $C_6H_5ClNNaO_2S$

CAS-No.	EC-No.	Index-No.	Concentration
Chloramine B			
127-52-6	204-847-9		>99%

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

#### OSHA Hazards

Target Organ Effect, Respiratory sensitiser, Corrosive

#### Target Organs

Lungs, Blood

#### GHS Classification

Acute toxicity, Oral (Category 4)

Skin corrosion (Category 1B)

Serious eye damage (Category 1)

Respiratory sensitization (Category 1)

#### GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H302

Harmful if swallowed.

H314

Causes severe skin burns and eye damage.

H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

	Precautionary statement(s)
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/ physician.
<b>HMIS Classification</b>	
<b>Health hazard:</b>	3
<b>Chronic Health Hazard:</b>	*
<b>Flammability:</b>	0
<b>Physical hazards:</b>	0
<b>NFPA Rating</b>	
<b>Health hazard:</b>	3
<b>Fire:</b>	0
<b>Reactivity Hazard:</b>	0
<b>Potential Health Effects</b>	
<b>Inhalation</b>	May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
<b>Skin</b>	May be harmful if absorbed through skin. Causes skin burns.
<b>Eyes</b>	Causes eye burns.
<b>Ingestion</b>	May be harmful if swallowed.

#### 4. FIRST AID MEASURES

##### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

##### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

##### **In case of skin contact**

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

##### **In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

##### **If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### 5. FIRE-FIGHTING MEASURES

##### **Fire:**

Flash point: 203C (389F) CC

Not considered to be a fire hazard.

##### **Explosion:**

Not considered to be an explosion hazard. Sealed containers may rupture when heated.

##### **Fire Extinguishing Media:**

Use any means suitable for extinguishing surrounding fire.

##### **Special Information:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

### Environmental precautions

Do not let product enter drains.

### Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage. Air and light sensitive. Store under inert gas.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

### Personal protective equipment

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin and body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White to yellow crystalline powder.
<b>Odor:</b>	Chlorine-like odor.
<b>Solubility:</b>	Appreciable (> 10%)
<b>Specific Gravity:</b>	1.41
<b>pH:</b>	No information found.
<b>% Volatiles by volume @ 21C (70F):</b>	0
<b>Boiling Point:</b>	No information found.
<b>Melting Point:</b>	150 - 170C (318 - 338F)
<b>Vapor Density (Air=1):</b>	0.6
<b>Vapor Pressure (mm Hg):</b>	Not applicable.
<b>Evaporation Rate (BuAc=1):</b>	No information found.

## 10. STABILITY AND REACTIVITY

### **Stability:**

Stable under ordinary conditions of use and storage. Decomposes slowly on exposure to air, liberating chlorine. Loses water on drying.

### **Hazardous Decomposition Products:**

May emit oxides of carbon, oxides of sulfur, oxides of nitrogen, and hydrogen chloride gas when heated to decomposition.

### **Hazardous Polymerization:**

Will not occur.

### **Incompatibilities:**

Strong oxidizers, strong acids, ammonia, and ammonium salts.

### **Conditions to Avoid:**

Heat, flame, ignition sources, air, incompatibles

## 11. TOXICOLOGICAL INFORMATION

### **Acute toxicity**

#### **Oral LD50**

no data available

#### **Inhalation LC50**

no data available

#### **Dermal LD50**

no data available

Other information on acute toxicity

no data available

### **Skin corrosion/irritation**

no data available

### **Serious eye damage/eye irritation**

no data available

### **Respiratory or skin sensitization**

May cause allergic respiratory reaction.

### **Germ cell mutagenicity**

no data available

### **Carcinogenicity**

- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### **Reproductive toxicity**

no data available

### **Teratogenicity**

no data available

### **Specific target organ toxicity - single exposure (Globally Harmonized System)**

no data available

### **Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

no data available

### **Aspiration hazard**

no data available

### **Potential health effects**

#### **Inhalation**

May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

#### **Ingestion**

May be harmful if swallowed.

#### **Skin**

May be harmful if absorbed through skin. Causes skin burns.

#### **Eyes**

Causes eye burns.

### **Signs and Symptoms of Exposure**

Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer., Cough, Shortness of breath, Headache, Nausea, Vomiting, Repeated exposure may cause asthma., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### **Synergistic effects**

no data available

### **Additional Information**

RTECS: DA9300000

## **12. ECOLOGICAL INFORMATION**

### **Toxicity**

Toxicity to fish LC50 - Tinca tinca - 59.7 mg/l - 120 min

### **Persistence and degradability**

no data available

### **Bioaccumulative potential**

no data available

### **Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

**13. DISPOSAL CONSIDERATIONS****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose of as unused product.

**14. TRANSPORT INFORMATION****DOT (US)**

UN number: 3263

Class: 8

Packing group: II

Proper shipping name: Corrosive solid, basic, organic, n.o.s. (Sodium N-chlorobenzenesulphonamide)

Marine pollutant: No

Poison Inhalation Hazard: No

**IMDG**

UN number: 3263

Class: 8

Packing group: II

EMS-No: F-A, S-B

Proper shipping name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (Sodium N-chlorobenzenesulphonamide)

Marine pollutant: No

**IATA**

UN number: 3263

Class: 8

Packing group: II

Proper shipping name: Corrosive solid, basic, organic, n.o.s. (Sodium N-chlorobenzenesulphonamide)

**15. REGULATORY INFORMATION****OSHA Hazards**

Target Organ Effect, Respiratory sensitiser, Corrosive

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Acute Health Hazard, Chronic Health Hazard

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

Sodium N-chlorobenzenesulphonamide

CAS-No. 127-52-6

**New Jersey Right To Know Components**

Sodium N-chlorobenzenesulphonamide

CAS-No. 127-52-6

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## **16. OTHER INFORMATION**

### **Further information**

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