

# Safety Data Sheet

Creation Date: 2021/11/04	SDS NO.: 1555E
Product Name: sodium chloroacetate sodium salt of chloroacetic acid	Version: V2.1.0.1

## SECTION 1 Identification of the chemical and supplier

**Chemical Name:** sodium chloroacetate|sodium salt of chloroacetic acid

**Synonyms:**

**CAS No.:** 3926-62-3

**EC No.:** 223-498-3

**Molecular Formula:** C<sub>2</sub>H<sub>2</sub>ClNaO<sub>2</sub>

**Recommended Uses:** Please consult manufacturer.

**Restrictions on Use:** Please consult manufacturer.

**Name of the company:** Wuxi High Mountain Hi-tech Development Co.,Ltd.

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## SECTION 2 Hazards identification

### | Emergency overview

Solid. Toxic if swallowed. Irritating to skin. Very toxic to aquatic organisms, Use appropriate container to avoid environmental contamination.

### | Hazard classification according to GHS

According to series standards of GB 30000-2013: Rules for classification and labelling of chemicals. (Please refer to 16th chapter of SDS), hazard classification as following: Acute Toxicity – Oral, Category 3; Skin Corrosion/Irritation, Category 2; Hazardous To The Aquatic Environment – Short-Term (Acute) Hazard, Category 1.

### | Label elements

#### Hazard pictograms



**Signal word:** **Danger**

**Hazard statements:** Toxic if swallowed, Causes skin irritation, Very toxic to aquatic life.

**Precautionary statements**

**Prevention:** Wash face and hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** Specific treatment (see ... on this label). Rinse mouth. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/ international regulations.

## Hazard description

### Physical and chemical hazards

No information available

### Health hazards

Cough. Sore throat. Burning sensation. Abdominal pain. Nausea. Vomiting. Convulsions. (Further see Inhalation). The product can cause skin irritation following direct contact with the skin. Redness. Pain. Blurred vision.

### Environmental hazards

This product is very toxic to aquatic life. Please refer to 12th chapter of SDS.

## SECTION 3 Composition/information on ingredients

√ Substance Mixture

Component	Concentration/Range	CAS No.
Sodium chloroacetate	>= 99	3926-62-3

## SECTION 4 First aid measures

### Description of first aid measures

**General advice:** Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

**Skin contact:** Rinse skin with plenty of water or shower.

**Eye contact:** First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

**Inhalation:** Fresh air, rest. Refer for medical attention.

**Ingestion:** Refer for medical attention. Rinse mouth. Do NOT induce vomiting. Give plenty of water to drink.

**Advice for protecting the rescuer:** Remove all sources of ignition and increase ventilation. Avoid contact with skin and eyes. Avoid inhalation of dusts. Use personal protective equipment including respirator.

**Special note to the doctor:** Treat symptomatically. Symptoms may be delayed.

## SECTION 5 Firefighting measures

## **| Hazard characteristics**

May emit poisonous fumes on fire. Containers may explode when heated. May expand or decompose explosively when heated or involved in fire.

## **| Extinguishing method and media**

Suitable extinguishing media: Small Fire : Dry chemical, sand, earth, water spray or regular foam; Large Fire : Water spray, fog or regular foam.

Unsuitable extinguishing media: Carbon dioxide, because it is basically ineffective against such fires.

## **| Fire precautions and measures**

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. Fight fire from a safe distance, with adequate cover. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **SECTION 6 Accidental release measures**

### **| Personal precautions, protective equipment and emergency procedures**

Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

### **| Environmental precautions**

Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided.

### **| Methods and materials for containment and cleaning up**

Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

## **SECTION 7 Handling and storage**

### **| Precautions for handling**

Handling is performed in a well ventilated place. Wear suitable protective equipment. Avoid contact with skin and eyes. Keep away from heat/sparks/open flames/ hot surfaces.

### **| Precautions for storage**

Keep containers tightly closed. Keep containers in a dry, cool and well-ventilated place. Keep away from heat/sparks/open flames/hot surfaces. Store away from incompatible materials and foodstuff containers. Storage temperature generally should not be higher than 32 °C, relative humidity generally should not be higher than 80%.

## **SECTION 8 Exposure controls/personal protection**

### **| Control parameters**

**Occupational Exposure limit values**

No information available.

**Biological limit values**

No information available.

**Monitoring methods**

EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air ( Series standard ).

**| Engineering controls**

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Use explosion-proof electrical/ventilating/lighting/equipment. Set up emergency exit and necessary risk-elimination area.

**| Respiratory protection**

If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

**| Eye protection**

Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US)).

**| Skin and body protection**

Wear fire/flame resistant/retardant clothing and antistatic boots.

**| Hand protection**

Wear protective gloves ( such as butyl rubber ) , passing the tests according to EN 374(EU), US F739 or AS/NZS 2161.1 standard.

**| Other protection**

Smoking, eating and drinking water is forbidden in the workplace. After work, shower and change clothes. To maintain good health habits.

**SECTION 9 Physical and chemical properties**

<b>Appearance:</b> White crystals or powder	
<b>pH (Specified the concentration) :</b> 4.5~9.0 ( 20°C, 50g/L )	<b>Odor:</b> No information available
<b>Initial boiling point and boiling range(°C):</b> No information available	<b>Melting point/freezing point(°C):</b> 150~200 ( Decomposed )
<b>Vapor density(Air = 1):</b> Not applicable	<b>Density:</b> No information available
<b>Saturated vapor pressure (kPa):</b> Not applicable	<b>Relative density(Water=1):</b> No information available
<b>Evaporation rate:</b> Not applicable	<b>Viscosity(mm<sup>2</sup>/s):</b> Not applicable

<b>Flash point(°C):</b> No information available	<b>N-octanol/water partition coefficient:</b> -3.47
<b>Decomposition temperature(°C):</b> 150~200	<b>Auto-ignition temperature(°C):</b> No information available
<b>Upper/lower explosive limits[% (v/v)]:</b> Upper limit : No information available ; Lower limit : No information available	
<b>Solubility:</b> Miscible with water	<b>Flammability:</b> No information available

## SECTION 10 Stability and reactivity

### | Stability

Stable under proper operation and storage conditions.

### | Incompatible materials

No information available

### | 应 Conditions to avoid

Incompatible materials, heat, flame and spark.

### | Hazardous reactions

No information available

### | Decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11 Toxicological information

### | Acute toxicity

COMPONENT	CAS NO.	LD <sub>50</sub> (ORAL)	LD <sub>50</sub> (DERMAL)	LC <sub>50</sub> (INHALATION)-4H
Sodium chloroacetate	3926-62-3	95mg/kg(Rat)	No information available	No information available

### | Carcinogenicity

ID	CAS NO.	COMPONENT	IARC	NTP
1	3926-62-3	Sodium chloroacetate	Not Listed	Not Listed

### | Skin irritation/corrosion

Causes skin irritation(Category 2)

### | Eye irritation/corrosion

No information available

### | Skin sensitization

No information available

**| Respiratory sensitization**

No information available

**| Germ cell mutagenicity**

No information available

**| Reproductive toxicity**

No information available

**| STOT-single exposure**

No information available

**| STOT-repeated exposure**

No information available

**| Aspiration hazard**

No information available

**SECTION 12 Ecological information****| Acute aquatic toxicity**

No information available.

**| Chronic aquatic toxicity**

No information available.

**| Persistence and degradability**

No information available

**| Bioaccumulative potential**

No information available

**| Mobility in soil**

No information available

**| Other deleterious effect**

No information available.

**SECTION 13 Disposal considerations****| Disposal methods**

Product: Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.

Contaminated packaging: Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.

**| Disposal considerations**

Refer to section 13.1 and 13.2.

## SECTION 14 Transport information

| **UN number:** 2659

| **UN proper shipping name:** SODIUM CHLOROACETATE

| **Transport hazard class:** 6.1

| **Packing group:** III

| **Label**



| **Marine pollutant (Yes/No):** 是



### | Methods of packing

Threaded glass, metal cover pressure bottles, plastic bottles or metal (cans) outside the ordinary wooden box etc. thread mouth glass bottles, plastic bottles or tinsplate barrels (LP), full floor grille boxes, fibreboard or plywood box etc. Story brown paper bags or plastic bags outside fiber drums, barrels plywood, hard cardboard, plastic outer plastic bucket. Packaging as recommended by manufacturer.

### | Precautions for transport

Transit should be anti-exposure, rain, high temperature. Strictly prohibited shipping or transportation with acids, alkalis, oxidants, food and food additives etc. Transport vehicles should be equipped with the appropriate variety and quantity of fire equipment and emergency equipment leakage during transport. Before transport, should be preceded by checking whether container integrity, sealing. The transport unit must be placarded and marked in accordance with relevant transporting requirements.

## SECTION 15 Regulatory information

### | Regulatory information

COMPONENT	A	B	C	D	E	F	G	H
Sodium chloroacetate	Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

【A】 Catalog of Hazardous Chemicals(2015 Edition), Notice 5th 2015, China State Administration of Work Safety.

【B】 Catalog of Priority Hazardous Chemicals for Environment Management, Notice 33th 2014, Ministry of Environmental Protection of PRC.

【C】 List of Toxic Chemicals Restricted to be Imported/Exported in China, Notice 85th 2013, Ministry of Environmental Protection of PRC.

【D】 Catalog of Stupefacient and Psychotropic Substances(2013Edition), Notice 230th 2013, China Food and Drug Administration.

【E】 Catalog of Hazardous Chemicals for Priority Management( First and Second batches ), Notice 95th, 2011, Notice 12th 2013, China State Administration of Work Safety.

【F】 List of Ozone Depletion Chemicals Controlled to be Imported/Exported in China ( First to Sixth batches ), Notice from 2000 to 2012 Ministry of Environmental Protection of PRC.

【G】 Dangerous Chemicals Directory Used to Manufacture Exploder(2011 Edition), Notice 25th Nov. 2011, Ministry of Public Security of PRC1.

【H】 Catalog of Highly Toxic Chemicals, Notice 142th 2003, China Ministry of Health.

## SECTION 16 Others

**Latest Revision Date:** 2021/11/04

### Revision explanation

This Safety Data Sheet (SDS) was prepared according to standards of 《Safety data sheet for chemical products—Content and order of sections》 ( GB/T 16483-2008 ) and 《Guidance on the compilation of safety data sheet for chemical products》( GB/T 17519-2013 ). The result of GHS classification according to 《Guidance on the Catalog of Hazardous Chemicals(2015 Edition) (trial)》 and series standards of 《Rules for classification and labelling of chemicals》 (GB 30000.2-2013~GB 30000.29-2013).

### Reference

【1】 IPCS: The International Chemical Safety Cards (ICSC) ,website: <http://www.ilo.org/dyn/icsc/showcard.home>.

【2】 IARC , website: <http://www.iarc.fr/>.

【3】 OECD: The Global Portal to Information on Chemical Substances, website:  
[http://www.chemportal.org/chemportal/index?pageID=0&request\\_locale=en](http://www.chemportal.org/chemportal/index?pageID=0&request_locale=en).

【4】 CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.

【5】 NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.

【6】 EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.

【7】 U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.

【8】 Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

### Abbreviations and acronyms

**CAS** –Chemical Abstracts Service

**PC-STEL**- Short term exposure limit

**DNEL** - Derived No Effect Level

**RPE** - Respiratory Protective Equipment

**LC<sub>50</sub>** - Lethal Concentration 50%

**NOEC** -No Observed Effect Concentration

**PBT** - Persistent, Bioaccumulative, Toxic

**BCF** - Bioconcentration factor (BCF)

**IMDG**-International Maritime Dangerous Goods

**UN**-The United Nations

**NFPA**-National Fire Protection Association

**CMR** - Carcinogens, mutagens or substances toxic to reproduction

**PC-TWA** - Time Weighted Average

**IARC** - International Agency for Research on Cancer

**PNEC** –Predicted No Effect Concentration

**LD<sub>50</sub>** - Lethal Dose 50%

**EC<sub>50</sub>** - Effective Concentration 50%

**POW** - Partition coefficient Octanol:Water

**vPvB** - very Persistent, very Bioaccumulative

**ICAO/IATA**-International Civil Aviation Organization/International Air Transportation Association

**ACGIH**-American Conference of Governmental Industrial Hygienists

**OECD**-Organization for Economic Co-operation and Development

### Disclaimer



This Safety Data Sheet (SDS) was prepared according to GB/T16483 and GB/T17519. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user' s reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.