

Material Safety Data Sheet

SODIUM MONOCHLOROACETATE

Section 1 - Product Identification

Product Name : Sodium Monochloroacetate
 CAS No. : 3926-62-3
 Synonym : Chloroacetic acidsodium salt
 Company Identification : Tradeasia International Pte. Limited
 Address :
 133 Cecil Street # 12-03 Keck Seng Tower, Singapore
 Tel: +65-6227 6365
 Fax: +65-6225 6286
 Email: contact@chemtradeasia.com

Section 2 – Composition/Information on Ingredients

Substances

Name of substance	Sodium Monochloroacetate
Identifiers	
CAS No	3926-62-3
Molecular formula	C2O2H2ClNa
Molar Mass	166.48 g/mol

Section 3 – Hazardous Ingredients & Occupational Exposure Limits

Classification of the substances or mixture

Classification according to GHS-US Classification

Acute toxicity Oral: Category 3

Skin Corrosion/Irritation: Category 2

Hazardous to the Aquatic Environment: Category 1 (Acute Hazard)

Label Elements

GHS Label elements, including precautionary statements

Hazard Pictogram(s):



Signal Word: Danger

Hazard Statements:

H301 - Toxic if swallowed

H315 - Causes skin irritation

H400 - Very toxic to aquatic life

Precautionary Statements

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P273 - Avoid release to the environment

Supplemental Hazard Statements none

Hazards Not Otherwise Classified: None known

Section 4 – First-Aid Measures

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

Inhalation: Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice

Eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

Skin Contact: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Ingestion: Rinse mouth. Obtain emergency medical attention. Immediately call a POISON CENTER or doctor/physician.

Notes to physician: Treat symptomatically.

Section 5 – Employee Protection

Suitable extinguishing media: Dry chemical powder, chemical foam, and alcohol resistant foam. Water may also be used. Water sprays can be effective in cooling down the fire-exposed containers and knocking down the vapors.

Unsuitable extinguishing media: Avoid usage of direct water jets.

Special hazards arising from the substance or mixture: No data available

Advice for firefighters: Do not attempt to take action without suitable protective equipment.

Further information: Use water spray to cool unopened containers.

Section 6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

For emergency responders

Protective equipment: Use personal protective equipment as required.

Emergency procedures : Stop release.

Environmental Precautions: Very toxic to aquatic life.

Methods and Materials for Containment and Cleaning up: Sweep up and shovel into suitable containers for disposal.

Section 7 – Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Do not breathe dust.

Conditions for safe storage, including any incompatibilities: Keep in a dry, cool and well-ventilated place. Keep container tightly closed.

Section 8 – Exposure Controls/Personal Protection

Exposure Limits/Guidelines: No data available

Engineering controls: Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. Local ventilation is usually preferred. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye and Face protection: Safety goggles/ Chemical Safety glasses and Face shield.

Skin and Body protection: Rubber or neoprene gloves and additional protection including impervious boots, apron or coveralls as needed in areas of unusual exposure to prevent skin contact. Wear boots and clothing to prevent contact.

Respiratory protection: 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.

Section 9 – Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State: Powder

Solid Appearance: White

Odor: No information available

Odor Threshold: No data available

Melting Point/Range: 199 °C / 390.2 °F

Softening Point: No data available

Boiling Point/Range: No information available

Flammability (liquid): Not applicable

Flammability (solid,gas): No information available

Explosion Limits: No data available

Flash Point: No information available

Autoignition Temperature: No data available

Decomposition Temperature: > 150°C

pH: No information available

Viscosity: Not applicable

Water Solubility: Soluble 440 g/L @ 20 °C

Solubility in other solvents No information available

Other data

No data available

Section 10 – Stability and Reactivity

Reactivity: The product is stable for the purpose of transportation.

Chemical Stability: Oxidizer: The product is chemically stable.

Possibility of hazardous reaction: None reported

Conditions to Avoid: Keep away from heat, sparks, flame, high temperature and incompatible chemicals. Keep away from high temperature and high humidity.

Incompatible Materials: Strong oxidizing agents, amines, alkali hydroxides. Exothermic reactions with lower alcohols.

Hazardous Decomposition Products: Carbon monoxide (CO), Carbon dioxide (CO₂), Sulfur oxides, Sodium oxides

Hazardous Polymerization: Hazardous polymerization does not occur.

Section 11 – Toxicological Information

Acute toxicity: Oral: Toxic if swallowed.

Skin corrosion/irritation: Causes skin irritation

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory sensitization: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

Specific target organ toxicity following single exposure: No data available

Specific target organ toxicity following repeated exposure: No data available

Aspiration hazard: No data available

Information on likely routes of exposure

Ingestion: No data available

Inhalation: No data available

Skin contact: No data available

Eye contact: No data available

Interaction with Other Chemicals Which Enhance Toxicity: None known.

Additional Information: RTECS: WT1050000

Section 12 – Ecological Information

Toxicity: Very toxic to aquatic life.

Persistence and degradability: Contains substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Bioaccumulative potential: Bioaccumulation is unlikely

Mobility in soil: The product is water soluble, and may spread in water systems Will likely be mobile in the environment due to its water solubility. Highly mobile in soils

Results of PBT and vPvB assessment: Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB).

Other adverse effects: No data available

Section 13 – Disposal Considerations

Disposal of the substance: Should not be released into the environment. Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

Disposal of the contaminated packaging: Dispose of this container to hazardous or special waste collection point.

Section 14 – Transport Information

In accordance with DOT/IMDG/IATA/ADR

Proper Shipping Name: SODIUM CHLOROACETATE

UN: UN2659

Hazard Class: 6.1

Packing Group: III

Additional Information:

Dangerous for the environment

Product is a marine pollutant according to the criteria set by IMDG/IMO

Section 15 – Regulatory Information

1. US Federal regulations

TSCA: Listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA Codes: CAS # 3926-62-3: immediate, delayed, reactive.

2. International regulations

CANADA

Record Type: Domestic Substances List / Non-Confidential.

CAS Registry Number: 3926-62-3.

DSL/NDSL Record Number: 6995.

WGK (Water Danger/Protection): CAS# 3926-62-3: 2

3. National regulations

No data available

4. US State regulations

SODIUM MONOCHLOROACETATE

State or local regulations	U.S. – New Jersey - Right To Know List
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Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Tradeasia International Pte. Ltd. Be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Tradeasia International Pte. Ltd. has been advised of the possibility of such damages.