

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2024-06-27  
Print Date: 2024-06-27

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : Sodium dichloroisocyanurate  
Product Number : S109086  
Brand : aladdin  
CAS-No. : 2893-78-9

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances.

### 1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION  
Address : 14078 Meridian Parkway,  
Riverside, CA. 92518  
Telephone : +1 (833) 552-7181  
Fax : no data available

### 1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300  
CHEMTREC®, Outside the USA :

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)  
Oxidative solids (Class 2), H272  
Acute toxicity, oral (Class 4), H302  
Skin corrosion/irritation (Category 1A), H314  
Severe eye injury/eye irritation (Category 1), H318  
Specific target organ systemic toxicity (single exposure) (Category 3), respiratory irritation, H335  
Acute (short-term) aquatic hazards (Category 1), H400  
Long term aquatic hazards (Category 1), H410

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Hazard statement(s)

H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation
H410	Very toxic to aquatic life with long lasting effects

## Precautionary statement(s)

P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.
P220	Keep away from clothing and other combustible materials.
P221	Take any precaution to avoid mixing with combustibles/...
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash hands [and ...] thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].
P370+P378	In case of fire: Use ... to extinguish.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to an approved waste disposal plant.
P301+P312+P330	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P304+P340+P310	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. If contact lenses are worn and can be easily removed, remove Contact lenses. Continue rinsing. Immediately call an emergency center/doctor.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Synonyms : Dichloroisocyanuric acid sodium salt ;1-Sodium-3,5-dichloro-s-triazine-2,4,6-trione;Dichloro-s-triazine-2,4,6-(1H,3H,5H)-trione sodium salt;3,5-Dichloro-2-hydroxy-4,6-s-triazinedione sodium salt; Dichloro-s-triazinetrione sodium salt;1,3-Dichloro-6-hydroxy-1,3,5-triazine-2,4-dione sodium salt

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Formula	: C3Cl2N3NaO3
Molecular weight	: 219.95
CAS No.	: 2893-78-9
EC-NO.	: 220-767-7

Component	Classification	Concentration
Sodium dichloroisocyanurate		
	no data available	96%

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice

Show this material safety data sheet to the doctor in attendance.

If inhaled

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

In case of skin contact

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

In case of eye contact

Rinse with pure water for at least 15 minutes. Consult a doctor.

If swallowed

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3 Indication of any immediate medical attention and special treatment needed

no data available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Use dry chemical, carbon dioxide or alcohol-resistant foam.

Unsuitable extinguishing media

no data available

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides Nitrogen oxides Hydrogen chloride gas Sodium oxide Combustible Avoid vibration and friction.

Decomposition reaction: There is a risk of explosion! When a fire occurs, it may cause the production of hazardous

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

gases or vapors Helping with the release of oxygen

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

### 5.4 Further information

no data available

---

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

### 6.2 Environmental precautions

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

### 6.3 Methods and materials for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

### 6.4 Reference to other sections

For disposal see section 13.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Operators should be specially trained and strictly abide by the operating procedures. Operation and disposal should be carried out in a place with local ventilation or general ventilation facilities. Avoid eye and skin contact and avoid breathing vapor. See Section 8 for personal protective measures. Keep away from fire and heat sources, and smoking is strictly prohibited in the workplace. Use explosion-proof ventilation systems and equipment. If canning is required, the flow rate should be controlled, and there should be a grounding device to prevent the accumulation of static electricity. Avoid contact with incompatible substances such as oxidizing agents (see section 10 for incompatible substances). When handling, it should be lightly loaded and unloaded to prevent damage to packaging and containers. Empty containers may be harmful residues. Wash hands after use and prohibit eating or drinking in the workplace. Equipped with the corresponding variety and quantity of fire fighting equipment and leakage emer

### 7.2 Conditions for safe storage, including any incompatibilities

Recommended storage temperature see product label.

### 7.3 Specific end use(s)

---

Phone: +1 (833) 552-7181 Email: QualityAssurance@aladdinsci.com Website: <https://www.aladdinsci.com/>

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

no data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

Appropriate engineering controls

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

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

Skin 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. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 derived from it.

Body Protection

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

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface 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).

Control of environmental exposure

If safety requires, prevent further leakage or spillage. Do not let the product enter the sewer.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- |  |   |
|--|---|
| a) Appearance                              | form: Powder, Granules or Chunks color: White |
| b) Odour                                   | no data available                             |
| c) Odour Threshold                         | no data available                             |
| d) pH                                      | no data available                             |
| e) Melting point/freezing point            | >300°C  |
| f) Initial boiling point and boiling range | no data available                             |
| g) Flash point                             | no data available                             |

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	2.06
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties N	no data available
t) Oxidizing properties N	no data available

## 9.2 Other safety information

no data available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

Sensitive to humidity, heat, and air

### 10.3 Possibility of hazardous reactions

Generating hazardous gases or coming into contact with items on the right can produce harmful smoke: acid

### 10.4 Conditions to avoid

no data available

### 10.5 Incompatible materials

Strong alkali, strong oxidant

### 10.6 Hazardous decomposition products

no data available

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity

LD50 oral - rats - males and females -1823 mg/kg

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

(US-EPA)

Note: (Compared to similar products)

Corresponding values have been specified for the following substances: sodium dichloroisocyanurate dihydrate

LC50 inhalation - rats - males and females -4 hours -0.27-1.17 mg/l - dust/smoke

(OECD Testing Guidelines 403)

LD50 transdermal - rats - males and females ->5000 mg/kg

(US-EPA)

Skin corrosion/irritation

Skin - Rabbit Result: Causing severe burns- 24 h(US-EPA)

Serious eye damage/eye irritation

Eyes - Rabbit Result: Causing severe eye damage. (US-EPA)

Respiratory or skin sensitisation

Maximum Response Test - Guinea Pig Result: Negative (OECD Testing Guidelines 406)

Germ cell mutagenicity

Test type: Ames test Testing system: Escherichia coli/Salmonella typhimurium Metabolic activation: with or without

metabolic activation effect Method: OECD Testing Guidelines 471 Result: Negative Test type: Sister chromatid

exchange test Testing system: Chinese hamster ovarian cells Metabolic activation: with or without metabolic

activation effect Method: Regulation (EC) No. 440/2008, Annex B.19 Result: Negative Test type: In vitro mammalian

cell gene mutation test Testing system: Mouse lymphoma cells Metabolic activation: with or without metabolic

activation effect Method: Regulation (EC) No. 440/2008, Annex B.17 Result: Negative Test type: Mutability

(mammalian cell test): Chromosomal variation negative Species: Rat Cell type: Bone marrow Infection route: oral

route Method: OECD Testing Guidelines 475 Result: Negative

Carcinogenicity

Animal experiments showed no carcinogenic effects.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

Inhalation - may cause respiratory irritation.

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

Repeated toxicity - mouse - female - oral -104 weeks - no harmful effects observed -1523 mg/kg

Repeated toxicity - rats - males and females - inhalation (dust/smoke) -4 weeks

Note: (Compared to similar products)

(ECHA)

Corresponding values have been specified for the following substances: chlorotriazine

Registration of toxic effects of chemical substances: XZ1900000

This substance causes significant damage to mucosal tissue, upper respiratory tract, eyes, and skin., Cough, shortness of breath, headache, nausea

To our knowledge, this chemical, physical, and toxic property has not been fully studied.

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity static test for fish LC50 *Menidia berylina* (Inland silverside) -8000 mg/l -96 hours  
(US-EPA)

Toxicity static test for *Daphnia magna* and other aquatic invertebrates EC50- *Daphnia magna* ->1000 mg/l -48 hours  
Remarks: (ECHA)

Toxicity static test on algae ErC50 *Skeletonema costatum* ->100 mg/l -72 hours  
(ISO 10253)

Toxicity to bacteria EC50- Activated sludge ->4500 mg/l -3 hours  
(OECD Testing Guidelines 209)

Toxicity to fish (chronic toxicity)

Semi static test NOEC - *Oncorhynchus mykiss* (rainbow trout) -1000 mg/l -28 days  
(OECD Testing Guidelines 215)

Toxicity to *Daphnia* and other aquatic invertebrates (chronic toxicity)

Static test EC50- *Daphnia magna* (*Daphnia magna*) -2600 mg/l -21 days  
(OECD Testing Guidelines 211)

### 12.2 Persistence and degradability

Aerobic - Exposure time 8 hours Result: 100% - rapidly biodegradable. Remarks: (ECHA)

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

no data available

## SECTION 13:

### 13.1 Disposal considerations

Product

Recycle to process, if possible. Consult your local regional authorities and an expert of disposal. You may be able to dissolve or mix material with a combustible solvent and little by little burn in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of the substance is burned at a time, an explosion may occur.

Observe all federal, state and local regulations when disposing of the substance.

Contaminated packaging

Dispose of as unused product.



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

---

**SECTION 14: Transport information**

## DOT (US)

UN number: 2465	Packing group: II	Class: 5.1
Proper shipping name: Dichloroisocyanurate	Reportable Quantity(RQ): no data available	Poison Inhalation Hazard: no data available
Environmental Hazards: yes		

## IMDG

UN number: 2465	Packing group: II	EMS-No: no data available
Proper shipping name: Dichloroisocyanurate		

## IATA

UN number: 2465	Packing group: II	Class: 5.1
Proper shipping name: Dichloroisocyanurate		

---

**SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

---

**SECTION 16: Other information**

<b>Prepared By</b>	Regulatory Affairs ALADDIN SCIENTIFIC CORPORATION Email: QualityAssurance@aladdinsci.com
<b>Creation Date</b>	27-Jun-2024
<b>Revision Date</b>	27-Jun-2024
<b>Print Date</b>	27-Jun-2024
<b>Revision Summary</b>	SDS sections updated v1

## Disclaimer

Copyright Aladdin Co. Ltd. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Aladdin Co. Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.