

Material Safety Data Sheet

Sodium dichloroisocyanurate 0.4% solution

1. Product Identification

Synonyms: CA-6 Analyzer Ammonia Reagent #3

CAS No.: Not applicable to mixtures.

Molecular Weight: Not applicable to mixtures.

Chemical Formula: Not applicable to mixtures.

Product Codes:

ECD P/N 2010018-1

Manufacture By:

Electro-Chemical Devices, Inc.

1681 Kettering

Irvine, CA 92614

Phone: (800) 729-1333

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
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Sodium dichloroisocyanurate	2893-78-9	>1 %	Yes
Water	7732-18-5	<99 %	No

3. Hazards Identification

Emergency Overview

Appearance: Colorless clear liquid.

Potential Health Effects

Eyes: Causes eye irritation.

Skin: Harmful if absorbed through skin. Causes skin irritation.

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion: Harmful if swallowed.

4. First Aid Measures

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact: Wash off with soap and plenty of water. Consult a physician.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Notes to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flammability of the Product: Non-flammable

Auto-ignition Temperature: Not applicable

Flash Points: Not applicable

Flammable Limits: Not applicable

Products of Combustion: Not applicable

Fire Hazards: Not applicable

Explosion Hazards: Static Discharge: None
Mechanical Impact: None

Fire Fighting Media: Not applicable

Protective Clothing: Not applicable

Special Remarks:

6. Accidental Release Measures

Spill and Leak: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

7. Handling and Storage

Handling: Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use with adequate ventilation.

Storage: Store in a cool, dry, well ventilated place. Store in a tightly closed container.

8. Exposure Controls/Personal Protection

Exposure Limits:

Contains no substances with occupational exposure limit values

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 appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if irritation or other symptoms are experienced.

9. Physical and Chemical Properties

Appearance:

Clear, colorless liquid.

Odor:

Odorless.

Solubility:

Complete (100%)

Specific Gravity:

1.0, water = 1

pH:

neutral, pH 5-8

% Volatiles by volume @ 21C (70F):

ca. 99

Boiling Point:

100°C

Melting Point:

No information found.

Vapor Density (Air=1):

Not applicable.

Vapor Pressure (mm Hg):

Not applicable.

Evaporation Rate (BuAc=1):

Not applicable.

10. Stability and Reactivity

Chemical Stability: Product is stable

Conditions to Avoid: no data available

Incompatibilities with Other Materials: Strong bases, Strong oxidizing agents

Hazardous Decomposition Products: no data available

Hazardous Polymerization: Has not been reported.

11. Toxicological Information

RTECS: XZ1900000

Acute toxicity Oral LD50

LD50 Oral - rat - 1,420 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity). Lungs, Thorax, or Respiration: Acute pulmonary edema. Liver: Other changes.

Inhalation LC50

no data available

Dermal LD50

no data available

Other information on acute toxicity

no data available

Skin corrosion/irritation

Skin - rabbit - Mild skin irritation - 24 h

Serious eye damage/eye irritation

Eyes - rabbit - Moderate eye irritation

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product is 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 is 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 is 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 is 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

Developmental Toxicity - mouse - Oral

Specific Developmental Abnormalities: Musculoskeletal system. Effects on Newborn: Growth statistics (e.g., reduced weight gain). Effects on Newborn: Physical.

Developmental Toxicity - mouse - Oral

Specific Developmental Abnormalities: Musculoskeletal system. Effects on Newborn: Physical. no data available

Potential health effects

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion: Harmful if swallowed.

Skin: Harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

12. Ecological Information

Eco-toxicity:

Toxicity to fish LC50 - *Salmo gairdneri* - 0.13 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates EC50 - *Daphnia magna* (Water flea) - 0.15 mg/l - 48 h

Persistence and degradability

According to the results of tests of biodegradability this product is not readily biodegradable.

Bio-accumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life

Physical: No information available.

Other: Do not empty into drains.

13. Disposal Considerations

Treatment: Contact your local permitted waste disposal site (TSD) for permissible treatments.

14. Transport Information

DOT Classification Proper Shipping Name: Dichloroisocyanuric acid salts

Hazard Class: 5.1

UN number: UN2465

Packing Group: II

RQ: Not applicable.

TDG Classification: Not available.

IMO/IMDG Classification:

UN number: 2465

Class: 5.1 Packing group: II

EMS-No: F-A, S-Q

Proper shipping name: DICHLOROISOCYANURIC ACID, SALTS

Marine pollutant: No

15. Regulatory Information

OSHA Hazards: Oxidizer, Harmful by ingestion., Irritant

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

Reactivity Hazard, Acute Health Hazard

Massachusetts Right To Know Components

Troclosene sodium

CAS-No. 2893-78-9

Revision Date: 1993-04-24

Pennsylvania Right To Know Components

Troclosene sodium

CAS-No. 2893-78-9

Revision Date: 1993-04-24

New Jersey Right To Know Components

Troclosene sodium

CAS-No. 2893-78-9

Revision Date: 1993-04-24

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

NFPA Ratings: Health: **1** Flammability: **0** Reactivity: **1**

Label Hazard Warning:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Label Precautions:

None.

Label First Aid:

Not applicable.

Product Use:

Laboratory Reagent.

Revision Information:

MSDS-2010018-1 rev. a Dec. 2012
