



Tianjin TopGlobal Co.,Ltd.

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MATERIAL SAFETY DATA SHEET (MSDS)

Sodium Dichloroisocyanurate

SECTION 1-CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Sodium Dichloroisocyanurate

Synonyms: Dichloro-s-triazine-2,4,6-trione;sodium salt

Chemical family: Organic

Company Identification: Tianjin TopGlobal CO., Ltd.

Add: 10-1-702#, Yijing Building, Cross of Center Avenue & East-Five Rd.

Airport Economic Area, Tianjin, China.

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SECTION 2-COMPOSITION, INFORMATION ON INGREDIENTS

CAS#: 2893-78-9

Chemical Name : Sodium Dichloroisocyanurate

EINECS# 201-782-8

Hazard Symbols: X N O

Risk Phrases: 22 31 36/37 8

****SECTION 3-HAZARDS IDENTIFICATION****

EMERGENCY OVERVIEW

Appearance: white solid.

Target Organs: None.

Potential Health Effects:

The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

****SECTION 4-FIRST AID MEASURES****

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. (remove contact lenses if easily possible), then take to a doctor.

Skin:

Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes

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while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately. DO NOT induce vomiting. Allow the victim to rinse his mouth and then to drink 2-4 cupfuls of water, Rest. Refer for medical attention.

Inhalation:

Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:

Treat symptomatically and supportively.

******SECTION 5-FIRE FIGHTING MEASURES******

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Strong oxidizer. Contact with combustible materials may cause a fire.

Extinguishing Media:

On case of fire, use water,dry chemical ,chemical foam,or alcohol-resistant foam,Use agent most appropriate to extinguish fire.

On large fire ,use heavy deluge or fog streams, special fire fighting procedures , Use water to cool containers exposed to fire.Flooding amts of water may be required before exting can be (SUP DAT)

Unusual fire and explosion hazards :None specified by manufacturer.

Autoignition Temperature: Not available.

Flash Point:Not available.

Explosion Limits, Lower: Not available.

Upper: Not available.

******SECTION 6-ACCIDENTAL RELEASE MEASURES******

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material,then place into a suitable clean,dry,closed container for disposal.

******SECTION 7-HANDLING and STORAGE******

Handling:

Avoid contact with clothing and other combustible materials.

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Storage:

Do not store near combustible materials. Corrosives area.

******SECTION 8-EXPOSURE CONTROLS,PERSONAL PROTECTION******

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

OSHA Vacated PELs: Sodium Dichloroisocyanurate

No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment:

Eyes: Wear chemical goggles, Wear safety glasses and chemical goggles if splashing is possible.

Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing : Wear appropriate protective clothing to minimize contact with skin.

Respirators: Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

******SECTION 9-PHYSICAL AND CHEMICAL PROPERTIES******

Physical State: Solid

Appearance: White granular or powder

Odor: Pungent odour

PH: 5.5-7

Vapor Density: Not available.

Vapor Pressure: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 230.00-251.00deg C.

Decomposition Temperature: Not available.

Solubility in water: 25G/100ML.(25°C).

Specific Gravity/Density: 0.95.

Molecular Formula: C₃H₃N₃O₃Cl₂Na.

Molecular Weight: 220.96.

******SECTION 10-STABILITY AND REACTIVITY******

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, strong oxidants.

Incompatibilities with Other Materials: Strong reducing agents-strong bases-moist air or water.

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Hazardous Decomposition Products: Hydrogen chloride,nitrogen oxides,carbon monoxide,irritating and toxic fumes MSDS OF SDIC and gases,carbon dioxide,nitrogen.
Hazardous Polymerization: Has not been reported .

******SECTION 11-TOXICOLOGICAL INFORMATION******

RTECS#: XZ1900000

LD50/LC50:

CAS#87-90-1: Oral, rat: LD50=406mg/kg.

Carcinogenicity: Sodium Dichloroisocyanurate

Not listed by ACGIH,IARC, NIOSH, NTP, or OSHA.

******SECTION 12-ECOLOGICAL INFORMATION******

Ecotoxicity: Not available.

******SECTION 13-TRANSPORT INFORMATION******

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******SECTION 14-TRANSPORT INFORMATION******

Shipping Name: Sodium Dichloroisocyanurate

Hazard Class: 5.1

UN Number: UN2465

Packing Group: II

IMCO: 5147.

IATA: No information available.

RID/ADR: No information available.

******SECTION 15-REGULATORY INFORMATION******

US FEDERAL

SDIC CAS#2893-78-9 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health&Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under SDIC Section 12h.

SDIC Significant New Use Rule

None of the chemicals in this material have a SNUR under SDIC.SARA

Section 302(RQ)

None of the chemicals in this material have an RQ.

Section 302(TPQ)

None of the chemicals in this product have an TPQ.

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Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletions.

This material does not contain any Class 2 Ozone depletions.

Clean Water Act:

None of the chemical in this product are listed as Hazardous Substances under the CWA.

None of the chemical in this product are listed as Priority Pollutants under the CWA.

None of the chemical in this product are listed as Toxic Pollutants Under the CWA.

OSCHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

Hazard Phrases:

XN O

Risk Phrases:

R 22 Harmful if swallowed.

R 31 Contact with acids liberates toxic gas.

R 36/37 Irritating to eyes and respiratory system.

R 8 Contact with combustible material may cause fire.

Safety Phrases:

S 26 In case of contact with eyes ,rinse immediately with plenty of water and seek medical advice.

S 41 In case of fire and/or explosion do not breathe fumes.

S 8 Keep container dry .

WGK(Water Danger/Protection)

CAS#2893-78-9 :No information available.

Canada

CAS#2893-78-9 listed on Canada's DSL/NDSL. List.

WHMIS:Not available.

CAS#2893-78-9 is listed onCanada's Ingredient Disclosure List.

******SECTION 16-ADDITIONAL INFORMATION******

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

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Signed by:

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