



Specialized in chemicals

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Material Safety Data Sheet

SDIC

Section 1: Chemical Product and Company Identification

Product Name: Sodium dichloroisocyanurate

CAS#: 2893-78-9

Synonym: 1-Sodium-3,5-dichloro-s-triazine-2,4,6-trione;SDIC

Chemical Name: 1-Sodium-3,5-dichloro-s-triazine-2,4,6-trione

Chemical Formula: C₃Cl₂N₃NaO₃

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Section 2: Composition and Information on Ingredients

Composition:

| Name | CAS # % | By Weight |
|-----------------------------|-----------|-----------|
| Sodium dichloroisocyanurate | 2893-78-9 | 100% |

Toxicological Data on Ingredients:Not available

Section 3: Hazards Identification

Ingestion

Swallowing can result in diarrhoea, abdominal pain, ulceration of the stomach, lachrymation, difficulty in breathing, loss of consciousness, coma & possible death.

Inhalation

Inhalation of the dust will result in respiratory irritation. Decomposes when wet to evolve chlorine gas. Inhalation of chlorine will result in severe respiratory irritation. Delayed effects can include shortness of breath, severe headache, pulmonary oedema and pneumonia.

| | | |
|--|---------------|---------------|
| <p>Skin Contact with the skin will result in mild irritation. Repeated or prolonged skin contact may lead to allergic contact dermatitis.</p> | | |
| <p>Eyes A severe eye irritant. Contamination of the eyes can result in permanent injury. Corrosive to eyes; contact can cause corneal burns.</p> | | |
| <p>Hazards May explode from heat or contamination. May react explosively with hydrocarbons (fuels). May ignite combustibles.</p> | | |
| <p>EC R 8 22 31 36/37 50/53</p> | <p>Risk</p> | <p>Phrase</p> |
| <p>EC S 8 26 60 61</p> | <p>Safety</p> | <p>Phrase</p> |
| <p>UN 2465</p> | | <p>(DOT)</p> |

Section 4: First Aid Measures

| |
|---|
| <p>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, and seek medical advice.</p> |
| <p>Inhalation Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.</p> |
| <p>Skin Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.</p> |
| <p>Eyes Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical center.</p> |

Section 5: Fire and Explosion Data

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| <p>Flash Point 230</p> |
| <p>Fire Fighting Fire-fighters should wear full protective clothing including self-contained breathing apparatus. In case of fire use water spray or fog type extinguishers (large quantities are required).</p> |

Fire Potential
Noncombustible.

Section 6: Accidental Release Measures

Small spills/leaks
Clean up spills immediately, using the appropriate protective equipment. Sweep up, then place into a suitable container for disposal. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal.

Section 7: Handling and Storage

Storage
Do not store near combustible materials.
Handling
Avoid contact with clothing and other combustible materials.

Section 8: Exposure Controls/Personal Protection

Personal Protection
Wear appropriate protective gloves, clothing and goggles.
Respirators
Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.
Poison Class 4

Section 9: Physical and Chemical Properties

Appearance
White solid with an odor of bleach-like odor.
Solubility in water 260 g/L
Melting Point 225
Density 0.96 g/cm³ (20 C)
Heat Of Vaporization
Usage
Active ingredient in dry bleaches, dishwashing compounds, scouring powder, detergent sanitizers, swimming pool disinfectants, water & sewage treatment, replacement for calcium hypochlorite.

Section 10: Stability and Reactivity Data

Stability
Stable under normal temperatures and pressures.
Incompatibilities
Strong oxidizing agents - moisture - strong bases.
Decomposition

Hydrogen chloride, nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.
Combustion Products
May form toxic chlorine and other gases in fire.

Section 11: Toxicological Information

Not available


Section 12: Ecological Information

Not available

Section 13: Disposal Considerations

Properties of Waster : Hazardous waster.
Waste disposal Methods: Control burning, absorb waste gas by limewater.
Note: Do not reuse package and container, control burning them as above

Section 14: Transport Information

| | |
|-----------------------------|---|
| UN No.: | 2465 |
| CLASS: | 5.1, |
| Packing Group: | II |
| Packing Label: |  |
| Packing Category: | Oxidizing solid |
| Packing Methods: | Sealed in plastic bag and then packing in large ones.. |
| Transportation Note: | Prevent from high temperature, high moisture and straight sunlight. |

Section 15: Other Regulatory Information

Regulatory Information: Not available

Section 16: Other Information

Reference: Not available
Other Special Considerations: Not available.
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