


## SAFETY DATA SHEET

### Sodium dichloroisocyanurate 60%

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

<b>1.1 Product identifier:</b>	
<b>CAS Number:</b>	2893-78-9
<b>EC number:</b>	220-767-7
<b>1.2 SYNONYMS</b>	Sodium Dichloro-S-Triazinetrione; SDIC; Dichloroisocyanuric Acid; Sodium Dichloroisocyanurate Anhydrous

#### SECTION 2: Hazards identification:

<b>2.1 Classification of the substance or mixture:</b>	Classification according to Regulation (EC) No 1272/2008 The substance is classified according to the CLP and GHS regulation.
<b>2.2 Label elements:</b>	Labelling according to Regulation (EC) No 1272/2008
<b>Hazard Pictograms:</b>	
<b>Signal Word:</b>	Danger
<b>Hazard statements:</b>	<b>H272</b> May intensify fire; oxidizer <b>H302</b> Harmful if swallowed <b>H319</b> Causes serious eye irritation <b>H335</b> May cause respiratory irritation <b>H400</b> Very toxic to aquatic life <b>H410</b> Very toxic to aquatic life with long lasting effects
<b>Precautionary Statements:</b>	<b>P210</b> Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. <b>P220</b> Keep away from clothing and other combustible materials. <b>P261</b> Avoid breathing dust/fume/gas/mist/vapours/spray. <b>P264</b> Wash contact area thoroughly after handling.

	<p><b>P270</b> Do not eat, drink or smoke when using this product.</p> <p><b>P271</b> Use only outdoors or in a well-ventilated area.</p> <p><b>P273</b> Avoid release to the environment.</p> <p><b>P280</b> Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. Response</p> <p><b>P319</b> Get medical help if you feel unwell.</p> <p><b>P330</b> Rinse mouth.</p> <p><b>P391</b> Collect spillage.</p> <p><b>P301+P317</b> IF SWALLOWED: Get medical help. <b>P304+P340</b> IF INHALED: Remove person to fresh air and keep comfortable for breathing. <b>P370+P378</b> In case of fire: Use suitable extinguishing medium to extinguish.</p> <p><b>P305+P351+P338</b> IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Storage</p> <p><b>P405</b> Store locked up</p> <p><b>P403+P233</b> Store in a well-ventilated place. Keep container tightly closed.</p> <p><b>Disposal</b></p> <p><b>P501</b> Dispose of contents/container in accordance with local/regional/national/international regulations.</p>
<b>2.3 Other hazards:</b>	
<b>Inhalation:</b>	Respiratory irritation (coughing, shortness of breath)
<b>Ingestion:</b>	Nausea, vomiting, abdominal pain, and burns to the digestive tract.
<b>Skin Contact:</b>	Skin irritation, redness, chemical burns, and blisters.
<b>Eye contact:</b>	Pain, redness, tearing, and swelling.

<b>Chronic Exposure:</b>	Respiratory issues (asthma, COPD), dermatitis, and potential organ damage.
<b>Aggravation of pre-existing conditions :</b>	Worsens asthma or bronchitis symptoms. Aggravates eczema or sensitive skin reactions.

### SECTION 3: Composition/information on ingredients

<b>3.1 Chemical characterisation:</b>	Substances
<b>CAS No:</b>	Description: 2893-78-9 Sodium dichloroisocyanurate 60%
<b>Identification number(s):</b>	EC number: 220-767-7

### SECTION 4: First aid measures

<b>4.1 Description of first aid measures</b>	
<b>General information:</b>	
<b>After inhalation:</b>	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
<b>After skin contact:</b>	Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
<b>After eye contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
<b>After swallowing:</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately

<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.
<b>4.3 Indication of any immediate medical attention and special treatment needed:</b>	Treat symptomatically. Symptoms may be delayed.

## SECTION 5: Firefighting measures

<b>5.1 Extinguishing media</b>	Dry chemical, carbon dioxide or foam
<b>5.2 Special hazards arising from the substance or mixture</b>	<p><b>1</b> Will not burn but increases intensity of fire.</p> <p><b>2</b> Contact with combustibles such as wood, paper, oil or finely divided metal may produce spontaneous combustion or violent decomposition.</p> <p><b>3</b> Has a fire-promoting effect due to release of oxygen.</p> <p><b>4</b> The material may provide sufficient oxygen to make the fire fierce and self sustaining.</p> <p><b>5</b> Smothering action may not be effective for established fire.</p> <p><b>6</b> Containers may explode when heated.</p> <p><b>7</b> Fire exposed containers may vent contents through pressure relief valves.</p> <p><b>8</b> May expansion or decompose explosively when heated or involved in fire.</p>
<b>5.3 Advice for firefighters</b>	<p><b>1</b> As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.</p> <p><b>2</b> Fight fire from a safe distance, with adequate cover.</p> <p><b>3</b> Prevent fire extinguishing water from contaminating surface water or the ground water system.</p>

<b>5.4 further information</b>	no data available
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## SECTION 6: Accidental release measures

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.
<b>6.2 Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided.
<b>6.3 Methods and material for containment and cleaning up:</b>	Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

## SECTION 7: Handling and storage

<b>7.1 Precautions for safe handling</b>	Handling is performed in a well ventilated place. Wear suitable protective equipment. Avoid contact with skin and eyes. Keep away from heat/sparks/open flames/ hot surfaces. Take precautionary measures against static discharges.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	Keep containers tightly closed. Keep containers in a dry, cool and well-ventilated place. Keep away from heat/sparks/open flames/ hot surfaces. Store away from incompatible materials and foodstuff containers.

<b>Requirements to be met by storerooms and receptacles:</b>	no data available
<b>7.3 Specific end uses</b>	no data available

## SECTION 8: Exposure controls/personal protection

<b>8.1 Control parameters</b>	
<b>Additional information about design of technical facilities:</b>	no data available
<b>8.2 Exposure controls</b>	
<b>Appropriate engineering controls</b>	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Use explosion-proof electrical/ventilating/lighting/equipment Set up emergency exit and necessary risk-elimination area.
<b>Personal protective equipment:</b>	Dust respirator, protective masks, wearing anti chemical gloves, rubber gloves, etc.
<b>General protective and hygienic measures:</b>	Eyes, body and hand protection, Wear protective equipment.
<b>Respiratory protection:</b>	experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
<b>Protection of hands:</b>	Wear protective gloves (such as butyl rubber) , passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.
<b>Eye protection:</b>	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).
<b>Protection of Body:</b>	Wear fire/flame resistant/retardant clothing and antistatic boots.

## SECTION 9: Physical and chemical properties

<b>9.1 Information on basic physical and chemical properties</b>	
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<b>General Information</b>	
<b>Appearance: Form:</b>	granular
<b>Colour:</b>	White
<b>Odour:</b>	odourless
<b>pH-value:</b>	6.2~6.8 (10 g/l)
<b>Melting point/Melting range:</b>	240°C
<b>Boiling point/Boiling range:</b>	294°C (Decomposes before boiling)
<b>Flammability (solid, gaseous):</b>	No information available
<b>Ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	230-240°C
<b>Self-igniting:</b>	No data available
<b>Flash point:</b>	230°C (closed cup)
<b>Danger of explosion:</b>	Not applicable
<b>Explosion limits: Lower:</b>	No data available
<b>Explosion limits: Upper:</b>	No data available
<b>Vapour pressure:</b>	Not applicable
<b>Density at 20 °C:</b>	1.98 g/cm <sup>3</sup>
<b>Relative density:</b>	1.98 g/cm
<b>Vapour density:</b>	No data available
<b>Evaporation rate:</b>	Not applicable
<b>Solubility in / Miscibility with- water at 20 °C:</b>	236.8 g/l
<b>Partition coefficient:(n- octanol/water)</b>	No data available
<b>Viscosity:</b>	No data available

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	Contact with incompatible substances can cause decomposition or other chemical reactions
<b>10.2 Chemical stability</b>	Stable under proper operation and storage conditions
<b>10.3 Possibility of hazardous reactions</b>	No data available
<b>10.4 Conditions to avoid</b>	Incompatible materials, heat, flame and spark
<b>10.5 Incompatible materials</b>	No data available
<b>10.6 Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.



## SECTION 11: Toxicological information

<b>11.1 Information on toxicological effects</b>	
<b>Acute Toxicity:</b>	no data available
<b>Skin corrosion/Irritation:</b>	no data available
<b>Serious eye damage/irritation:</b>	Causes serious eye irritation(Category 2A)(Troclosene sodium)
<b>Respiratory damage/irritation:</b>	No data available
<b>Ingestion:</b>	No data available
<b>Germ cell mutagenicity:</b>	No data available
<b>Carcinogenicity:</b>	No data available
<b>Reproductive toxicity:</b>	no data available
<b>Specific target organ toxicity - single exposure:</b>	No data available
<b>Specific target organ toxicity - repeated exposure:</b>	No data available
<b>Aspiration hazard:</b>	No data available
<b>Signs and Symptoms of Exposure:</b>	Refer section 2.3
<b>11.2 Additional toxicological information</b>	
<b>Aquatic Toxicity:</b>	No data available
<b>Biodegradability:</b>	No data available

## SECTION 12: Ecological information

<b>12.1 Toxicity</b>	LC50 : 0.46mg/L (96h)(Fish)
<b>Aquatic toxicity:</b>	
<b>12.2 Persistence and degradability:</b>	No data available
<b>12.3 Bioaccumulative potential:</b>	No data available
<b>12.4 Mobility in soil:</b>	No data available
<b>12.5 Other adverse effects</b>	No data available



## SECTION 13: Disposal considerations

13.1 Waste treatment methods	
<b>Uncleaned packaging Recommendation:</b>	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible
<b>Recommended cleansing agents:</b>	Water; Neutralizing Agents; Mild Acidic Cleansers; General Purpose Cleaning Agents; Surface-Specific Cleaners; Alcohol-Based Cleaners; Non-ionic Detergents

## SECTION 14: Transport information

<b>14.1 UN-Number · ADR, ADN, IMDG, IATA:</b>	2465
<b>14.2 UN proper shipping name · ADR, ADN, IMDG, IATA:</b>	DICHLOROISOCYANURIC ACID SALTS
<b>14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA :</b>	NONE
<b>14.4 Packing group · ADR, IMDG, IATA:</b>	II
<b>14.5 Environmental hazards:</b>	No data available
<b>14.6 Special precautions for user</b>	No data available

## SECTION 15: Regulatory information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Directive 2012/18/EU</b>	Directive 2012/18/EU, under that this substance is not classified as harmful substances
<b>Named dangerous substances</b>	This substance is listed in the directive.
<b>15.2 Chemical safety assessment:</b>	Chemical assessment has been carried out under <b>REACH</b> regulation.

## SECTION 16: Other information

The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product