



LUXEMBOURG

# SAFETY DATA SHEET

Revision date: 20/02/2022

## 1. Identification of the substance or mixture and of the supplier

**Commercial product name:** Sodium Dichloroisocyanurate Tech.  
**Product:** Sodium Dichloroisocyanurate Technical Grade  
**Chemical name:** Sodium 3,5-dichloro-2,4,6-trioxo-1,3,5-triazinan-1-ide (IUPAC)  
**Synonyms:** Sodium dichloroisocyanurate, Sodium troclosene, Sodic troclosene  
**Recommended use:** Cleansing agent and disinfectant.  
**Supplier:** Luxembourg-Pamol, Inc.  
3647 Willowbend Boulevard, Suite 810  
Houston, TX 77054, USA  
Tel: 877-343-4239  
**Emergency phone number:** 1-800-424-9300

## 2. Hazards identification

**Classification of the product**, two classifications are presented: **a.** according to Global Harmonized System of Classification and Labelling of Chemicals (GHS, *fifth revised edition, 2013*) and, **b.** according to OSHA HCS 2012, 29 C.F.R. § 1910.1200.

### a. ACCORDING TO GHS

**Hazard classification:**

Oxidizing Solids	Category 2
Acute toxicity, Oral	Category 4
Eye damage/irritation	Category 2A
STOT* SE	Category 3
Hazardous to the aquatic environment	
Acute hazard	Category 1
Chronic hazard	Category 1

**Label elements:** Pictogram:  Signal word: Danger

**Hazard statement(s):**

H272	May intensify fire; oxidizer.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H410	Very toxic to aquatic life with long lasting effects.

### Precautionary statement(s):

Prevention:	P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
	P220	Keep away from clothing and other combustible materials.
	P280	Wear protective gloves/eye protection/face protection.
	P264	Wash eye and hands thoroughly after handling.

Sodium Dichloroisocyanurate Tech. SDS

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\*STOT SE Specific Target Organ Toxicity (Single Exposure)

# LUXEMBOURG-PAMOL, INC.

3647 Willowbend Boulevard, Suite 810, Houston, TX 77054, U.S.A. PHONE: (713) 661-8800, PHONE: (877) 343-4239, E-mail: main@luxpam.com

P270 Do not eat, drink or smoke when using this product.  
P261 Avoid breathing dust.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.

Response: P370+P378 In case of fire: Use water, powder, chemical foam to extinguish.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
P330 Rinse mouth.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a poison center or doctor if you feel unwell.  
P391 Collect spillage.

Storage: P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

Disposal: P501 Dispose of contents/container in accordance with national regulations.

#### b. ACCORDING TO OSHA HCS 2012, 29 C.F.R. § 1910.1200

**Hazard(s) classification:** Oxidizing Solids Category 2  
Acute toxicity, Oral Category 4  
Eye damage/irritation Category 2A  
STOT SE Category 3

**Hazard statement:** May intensify fire; oxidizer.  
Harmful if swallowed.  
Causes serious eye irritation.  
May cause respiratory irritation.

**Signal word:** Danger

**Pictograms:**



**Precautionary statements:**

Prevention: Keep away from heat.  
Keep/Store away from clothing/combustible materials.  
Take any precaution to avoid mixing with combustibles.  
Wear protective gloves/eye protection/face protection.  
Wash eye and hands thoroughly after handling.  
Do not eat, drink, or smoke when using this product.  
Avoid breathing dust.  
Use only outdoors or in a well-ventilated area.

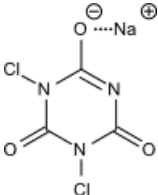
- Response:** In case of fire use water, powder, chemical foam to extinguish.  
If swallowed: call a poison center or doctor if you feel unwell. Rinse mouth.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
- Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.
- Disposal:** Dispose of contents/container in accordance with national regulations.

#### **Hazards Not Otherwise**

**Classified (HNOC):** Contact with acids liberates toxic gas.

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### **3. Information on ingredients contributing to hazard**

<b>Chemical name:</b>	Sodium 3,5-dichloro-2,4,6-trioxo-1,3,5-triazinan-1-ide
<b>Common name:</b>	Sodium dichloroisocyanurate
<b>Chemical formula:</b>	$C_3Cl_2N_3NaO_3$
<b>Structural formula:</b>	
<b>CAS No.:</b>	2893-78-9
<b>Content:</b>	100%

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### **4. First-aid measures**

- Ingestion:** Call a poison control center or doctor if you feel unwell.  
Have person sip a glass of water if able to swallow. Rinse mouth.  
Do not induce vomiting unless told to do so by a poison control center or doctor.  
Do not give anything to an unconscious person.
- Inhalation:** Remove person to fresh air and keep comfortable for breathing.  
If breathing is difficult or absent, send for immediate medical attention.  
Call a poison center or doctor if you feel unwell.
- Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes.  
Remove contact lenses, if present, and easy to do, then continue rinsing eye.  
If eye irritation persists: Get medical advice/attention
- Skin:** Take off contaminated clothing.  
Rinse skin immediately with plenty of water for 15-20 minutes.  
Call a poison control center or doctor for treatment advice.

#### **Most important symptoms and effects, both acute and delayed.**

Causes serious eye irritation. May cause respiratory irritation. May cause cough, shortness of breath, headache and nausea.

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

No specific antidote.

In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

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### 5. Fire-fighting measures

<b>Suitable extinguishing media:</b>	Dry chemical, chemical foam, alcohol-resistant foam or water spray. Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal; do not scatter the material.
<b>Specific hazards arising from the substance or mixture:</b>	Strong oxidizer. Contact with combustible materials may cause a fire. Contact with acids liberates toxic gas.
<b>Special protective equipment and precautions for firefighters:</b>	Clear fire area of all non-emergency personnel. Stay upwind of fire. Wear chemical protective clothing and self-contained breathing apparatus (SCBA) with positive pressure.

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### 6. Accidental release measures

<b>Personal precautions, protective equipment:</b>	Use personal protective equipment recommended in Section 8. Avoid dust formation. Avoid breathing dust. Isolate the hazard area and deny entry from unnecessary and unprotected personnel.
<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge in the environment must be avoided.
<b>Methods and materials for containment and cleaning up:</b>	Stop leak if possible. Sweep up and place reclaimed product in a closed and properly labeled waste drum. Store drum in separate area until proper disposal. Do not flush residue with water. Wash thoroughly after handling.

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### 7. Handling and storage

<b>Precautions for safe handling:</b>	Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Keep away from excessive heat and sources of ignition. Do not eat, drink or smoke when using this product. Wash hands and exposed skin thoroughly after handling, and before eating, drinking, chewing gum, using tobacco or using the toilet.
<b>Conditions for safe storage, including any incompatibilities:</b>	Store in a cool place. Keep container tightly closed in a dry and well ventilated place. Never allow product to get in contact with water during storage. Moisture sensitive. Do not store near combustible materials. Damaged or leaking containers which cannot be used immediately should be transferred to suitable sound containers and properly marked. Keep away from food, drink and animal feed. Do not store near acids.

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## 8. Exposure controls / personal protection

<b>Occupational exposure limits:</b>	OSHA PEL-TWA: Not established ACGIH (2015) TLV-TWA: Not established Workplace exposure limits (WELs): Not established
<b>Appropriate engineering controls:</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations low. Ensure that eyewash stations and safety showers are in proximity to the work-station location.
<b>Personal protective equipment:</b>	<b>Eyes:</b> Wear chemical goggles. Wear safety glasses and chemical goggles if splashing is possible. <b>Skin:</b> Wear appropriate protective gloves and clothing to prevent skin exposure. <b>Clothing:</b> Wear appropriate protective clothing to minimize contact with skin. <b>Respirators:</b> Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

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## 9. Physical and chemical properties

<b>Appearance:</b>	Powder/granular solid
<b>Color:</b>	White
<b>Odor:</b>	Not available
<b>Odor threshold:</b>	Not available
<b>pH (1% aqueous solution):</b>	Not available
<b>Melting point/Freezing point:</b>	245-251 °C
<b>Boiling point:</b>	Not available
<b>Evaporation rate:</b>	Not applicable
<b>Flash point:</b>	225 °C
<b>Flammability (solid, gas):</b>	May intensify fire
<b>Upper/lower flammability or explosive limits:</b>	Not available
<b>Vapour pressure (25°C):</b>	Not available
<b>Vapour density:</b>	Not available
<b>Relative density:</b>	Not available
<b>Bulk density (20°C):</b>	Not available
<b>Solubility in water (25°C):</b>	250 g/L
<b>Partition coefficient n-octanol/water (23°C):</b>	Not available
<b>Ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	225 °C
<b>Viscosity (25°C):</b>	Not available
<b>Explosive properties:</b>	Not available
<b>Oxidizing properties:</b>	Oxidizer category 2

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## 10. Stability and reactivity

<b>Reactivity:</b>	Contact with acids liberates toxic gas.
<b>Chemical stability:</b>	Stable at room temperature and under recommended storage and handling conditions.
<b>Possibility of hazardous reactions:</b>	None known.
<b>Conditions to avoid:</b>	Avoid exposure to incompatible materials. Avoid exposure excessive heat or open flame. Avoid exposure to moist or water.
<b>Incompatible materials:</b>	Strong reducing agents, strong bases.
<b>Hazardous decomposition products:</b>	Hydrogen chloride, nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.

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## 11. Toxicological information

### Acute toxicity

Oral LD <sub>50</sub> (rat):	406 mg/kg
Dermal LD <sub>50</sub> (rabbit):	Not available
Inhalation LC <sub>50</sub> (rat):	Not available

### Skin corrosion/irritation

Skin irritation (rabbit):	Moderate irritant
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### Serious eye damage/irritation

Eye irritation (rabbit):	Causes serious eye irritation
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### Respiratory or skin sensitization

Dermal sensitization (guinea pig):	Not available
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### Germ cell mutagenicity:

Not available

### Carcinogenicity:

NTP: Not listed  
OSHA: Not listed  
IARC: Not listed

### Reproductive toxicity:

Not available

### STOT single exposure:

May cause respiratory irritation

### STOT repeated exposure:

Not available

### Aspiration hazard:

Not available

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## 12. Ecological information

### Ecotoxicity:

#### Birds:

Not available

#### Fish:

Bluegill LC<sub>50</sub> (96 hrs.): 0.283 mg/L

#### Crustacean:

*Daphnia magna* EC<sub>50</sub> (48 hrs.): 0.15 mg/L

#### Honeybees:

Not available

<b>Persistence and degradability:</b>	Not available
<b>Bioaccumulative potential:</b>	Not available
<b>Mobility in soil:</b>	Not available
<b>Other adverse effects:</b>	Not available

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### 13. Disposal considerations

Dispose in a manner consistent with federal, state and local regulations.

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### 14. Transport information

<b>UN No.:</b>	2465
<b>Class:</b>	5.1
<b>Packaging group:</b>	II
<b>Proper shipping name:</b>	DICHLOROISOCYANURIC ACID, SALTS
<b>Marine pollutant:</b>	Yes

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### 15. Regulatory information

**TSCA Inventory:** This product is listed in the TSCA inventory and comply with all applicable rules or orders under TSCA.

This data sheet complies with the requirements of the Global Harmonized System of Classification and Labelling of chemicals (GHS) and the Occupational Safety and Health Standards HCS 2012, 29 C.F.R. § 1910.1200 (OSHA).

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### 16. Other information

*The information contained herein is applicable solely to the indicated product, and does not relate to any other use of this product as described. Its use is intended by persons having technical skill and at their own discretion and risk. The information has been developed from sources reliable. This information is furnished without warranty, expressed or implied, including the warranties of merchantability and fitness for a particular purpose is made with respect to the information contained herein.*

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