SAFETY DATA SHEET

Date Issued : 01/17/2023
SDS No. : Clearwater Spa Granular Chlorine

Clear Water Spa Granular Chlorine

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Clear Water Spa Granular Chlorine
GENERAL USE: Spa and Swimming Pool Sanitizer
PRODUCT DESCRIPTION: Swimming Pool Sanitizer/Water Treatment
ACTIVE INGREDIENT(S): Sodium Dichloro-s-triazinetrione Dihydrate

DISTRIBUTOR

Clearwater Pools, Spas & Supplies, LLC.
4001 Hwy. 190 E. Service Rd.
Covington, LA 70433
Emergency Phone: (985) 966-5652

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 4
Acute Toxicity (Inhalation), Category 2 * (See note below **Hazard Statements)**
Skin Corrosion/Skin Irritation, Category 1C
Serious Eye Damage, Category 1
Target Organ Toxicity (Single exposure), Category 3

Environmental:

Acute Hazards to the Aquatic Environment, Category 1
Chronic Hazards to the Aquatic Environment, Category 1

GHS LABEL


Skull and crossbones


Corrosion


Exclamation mark


Environment

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H410: Very toxic to aquatic life with long lasting effects.
76078CJQ: H330: Fatal if inhaled. * (*See note below*)

* **NOTE:** This material in the form as sold is not expected to produce respiratory effects. Particles of respirable size are generally not encountered. The respirable fraction is typically less than 0.1% by weight for the granular and extra granular grades. *If ground or otherwise in a powdered form,* effects similar to a corrosive substance may occur. Exposure to the solid product or to free chlorine evolving from the product may cause irritation, redness of upper and lower airways, coughing, laryngeospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure.

PRECAUTIONARY STATEMENT(S)

Prevention:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P285: In case of inadequate ventilation wear respiratory protection.
4304ZF6P: Wash exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

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P271: Use only outdoors or in a well-ventilated area.
P273: Avoid release to the environment.

Response:

P330: Rinse mouth.
P391: Collect spillage.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P363: Wash contaminated clothing before reuse.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310: Immediately call a POISON CENTER/doctor/...

Storage:

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

Disposal:

P501: Dispose of contents/container to ...

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sodium Dichloro-s-triazinetrione Dihydrate	99	51580-86-0

COMMENTS: 55.0 - 56.0% active chlorine

4. FIRST AID MEASURES

EYES: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. See a doctor immediately.

SKIN: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: Get medical attention immediately. Have person sip a glass of water, if able to swallow. Do not induce vomiting unless told to do so.

INHALATION: Move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible.

NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use massive amounts of water. Do not use dry chemicals, carbon dioxide, halogenated agents.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus in pressure-demand mode and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine, nitrogen trichloride, hydrogen trichloride, nitrogen oxide, and carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Sweep up spill with a dry broom into suitable container for disposal.

RELEASE NOTES: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, or oceans Do not flush into surface water or sanitary sewer systems.

COMMENTS: Avoid inhalation and contact with eyes and skin. Use personal protective equipment.

7. HANDLING AND STORAGE

HANDLING: Wear proper protective equipment in order to avoid contact with eyes or skin. Remove and wash contaminated clothing before re-use. Do not breathe vapors/dust. Do not eat, drink or smoke when using this produt. Use only in area with appropriate exhaust ventilation.

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STORAGE: Keep product in tightly closed container when not in use. Store in a cool, dry, well-ventilated area away from heat or open flame. Keep storage room temperature under 40 degrees C. Do not store with water, oxidizing agents, alkalies, grease, reducing agents and acids. Keep out of reach of children.

COMMENTS: Incompatible Products: Strong oxidzing agents. Strong bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
	EXPOSURE LIMITS			
Chemical Name	**Type**		**ppm**	**mg/m³**
Sodium Dichloro-s-triazinetrione Dihydrate	**OSHA PEL**	**TWA**	[1]	[1]
	ACGIH TLV	**TWA**	[2]	[2]
	Supplier OEL	**TWA**	[3]	[3]

Footnotes:
1. 15 mg/m3 (total dust) TWA; 5 mg/m3 (respirable) 8-hr TWA for Particulates Not Otherwise Regulated
2. 3 mg/m3 (respirable) TWA; 10 mg/m3 (inhalable) TWA - for Particulates Not Otherwise Classified
3. The TLV for Chlorine is 0.5 ppm (1.5 mg/m3) TWA and 1ppm STEL.

ENGINEERING CONTROLS: Ventilation systems, eyewash stations, showers.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical safety goggles.

SKIN: Chemical-resistant gloves.

RESPIRATORY: A NIOSH approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. The added protection of a full face-piece respirator is required when visible dusty conditions are encountered and eye irritation may occur. Acid gas cartridges with N95 filters are required when fumes or vapor may be generated. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

PROTECTIVE CLOTHING: Wear impervious long-sleeved clothing to minimize skin contact.

WORK HYGIENIC PRACTICES: When using, do not eat, drink or smoke. Remove and wash contaminated clothing before reuse. Provide regular cleaning of equipment, work area and clothing.

OTHER USE PRECAUTIONS: Protective material: Butyl rubber, natural rubber, neoprene, nitrile, polyvinyl chloride (PVC), Tyvek.

COMMENTS: Exposure limits for Air Contaminants (OSHA)

Particulates not otherwise regulated: Total dust; TWA 15 mg/m3; Respirable fraction: TWA 5 mg/m3

Exposure Limits for Air Contaminants (ACGIH)

Particultes (insoluble or poorly soluble) - Respirable Particles: TWA 3 mg/m3; Inhalable Particles: TWA 10 mg/m3

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: Mild chlorine.

APPEARANCE: White granular.

pH: 6.5 (1% solution.)

FLASHPOINT AND METHOD: Not Applicable

LOWER EXPLOSION LIMIT: 0

UPPER EXPLOSION LIMIT: 0

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EXPLOSION LIMITS: Non-flammable.

VAPOR PRESSURE: 100

VAPOR DENSITY: 100

BOILING POINT: Not Applicable

FREEZING POINT: Not Applicable

DECOMPOSITION TEMPERATURE: May generate heat at 45 degrees C or higher.

SOLUBILITY IN WATER: 26.25 g/100g at 25°C

EVAPORATION RATE: Not Applicable

DENSITY: 16.69 at (68°F)

SPECIFIC GRAVITY: 2

VISCOSITY: Not Applicable

(VOC): 1

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Heat, direct sunlight, water ad moisture. (Keep product under 40 degrees C.)

HAZARDOUS DECOMPOSITION PRODUCTS: Chlorine, nitrogen trichloride, hydrogen chloride, nitrogen oxide, carbon monoxide, carbon dioxide, and nitrogen.

INCOMPATIBLE MATERIALS: Acid, alkali, other chlorine agents, oils/fats, and flammable materials.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD_{50} (rat)	DERMAL LD_{50} (rabbit)
Sodium Dichloro-s-triazinetrione Dihydrate	1800 mg/kg (rat)	> 5000 mg/kg (rabbit)

DERMAL LD_{50}: > 2000 mg/kg - Rabbit

ORAL LD_{50}: 1823 mg/kg - Rat

Notes: Merck

INHALATION LC_{50}: 0.27 to 1.17 mg/L (4hr

Notes: This material in the form as sold is not expected to produce respiratory effects. Particles of respirable size are generally not encountered. The respirable fraction is typically less than 0.1% by weight for the granular and extra granular grades. If ground or otherwise in a powdered form, effects similar to a corrosive substance may occur. Exposure to the solid product or to free chlorine evolving from the product may cause irritation, redness of upper and lower airways, coughing, laryngeospasm and edema, shortness of breath, bronchoconstriction, and possible pulmonary edema. The pulmonary edema may develop several hours after a severe acute exposure.

GERM CELL MUTAGENICITY: AMES Test: Negative (*Test substance: monosodium cyanurate*)

Mouse Lymphoma Assay: Negative (*Test substance monosodium cyanurate*)

CARCINOGENICITY

NOTES: Not classified as a carcinogen by NTP, IARC or OSHA.

REPRODUCTIVE TOXICITY: Not Available

STOT-SINGLE EXPOSURE: Breathing dust or fumes is expected to be a primary route of exposure. May produce throat and respiratory tract irritation.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE)

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96-HOUR LC_{50}: 0.42 mg/L (Oryzias latipes)

CHEMICAL FATE INFORMATION: Decomposable in nature.

0% by BOD after 14 days. 7.8% by TOC after 14 days. 5.3% by HPLC after 14 days.

100% in aerobic activated sludge after 8 hours. 100% in anaerobic sludge after 72 hours. 52% - 100% in aerobic activated sludge after 9-23 days.

BIOACCUMULATION/ACCUMULATION: This product is not expected to bioaccumulate.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Environmentally hazardous substance, soild, n.o.s.

PRIMARY HAZARD CLASS/DIVISION: 9

UN/NA NUMBER: 3077

PACKING GROUP: III

OTHER SHIPPING INFORMATION:

§171.4(c)(1) Marine Pollutant Exception: Except when all or part of the transportation is by vessel, the requirements of this subchapter specific to marine pollutants do not apply to non-bulk packagings transported by motor vehicle, rail car or aircraft.

SPECIAL SHIPPING NOTES: DOT Special Provision #28 states "The dihydrated sodium salt of dichlorisocyanuric acid is not subject to the requirements of this subchapter."

AIR (ICAO/IATA)

SHIPPING NAME: Environmentally hazardous substance, soild, n.o.s.

TECHNICAL NAME: UN3077, Environmentally hazardous substance, soild, n.o.s. (Sodium dichloroisocyanurate dihydrate), 9, PG III

UN/NA NUMBER: 3077

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

ERG: 9L

NOTE: Marine Pollutant

VESSEL (IMO/IMDG)

SHIPPING NAME: Environmentally hazardous substance, soild, n.o.s.

TECHNICAL NAME: UN3077, Environmentally hazardous substance, soild, n.o.s. (Sodium dichloroisocyanurate dihydrate), 9, PG III

UN/NA NUMBER: 3077

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

EmS: F-A, S-F

NOTE: Marine Pollutant

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Hazard Categories: Health: Immediate (Acute) Health Hazard

313 REPORTABLE INGREDIENTS: None.

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TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

REGULATIONS

STATE REGULATIONS: Massachusetts Hazardous Substance - Yes
Pennsylvania Hazardous Substance - Yes

CALIFORNIA PROPOSITION 65: None of the ingredients are listed as carcinogens.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Below you will find the hazard information that is required on the EPA pesticide label.

GENERAL COMMENTS: HAZARD INFO FOUND ON SODIUM DICHLOROISOCYANURIC ACID EPA LABEL:

Hazards to humans and domestic animals.

DANGER. Corrosive.

Causes irreversible eye damage.

May be fatal if inhaled. Do not breathe dust

Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin.

Strong oxidizing agent.

Toxic to fish and aquatic organisms.

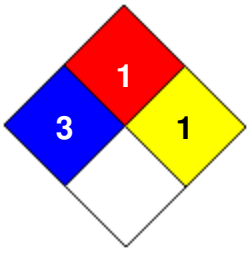
16. OTHER INFORMATION

Date Prepared: 01/17/2023

HMIS RATING

HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	F

NFPA CODES



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