SAFETY DATA SHEET

361066

Date Issued : 12/06/2022
SDS No. : Regal Dy-Chlor II

Regal Pool Care System Dy-Chlor II

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Regal Pool Care System Dy-Chlor II
GENERAL USE: Pool and Spa Sanitizer
PRODUCT DESCRIPTION: Swimming Pool Sanitizer/Water Treatment
ACTIVE INGREDIENT(S): Sodium Dichloro-s-triazinetrione Dihydrate

DISTRIBUTOR

Allied Universal Corp.
(305) 888-2623
3901 NW 115th Ave
Miami, FL 33178
Emergency Phone: (800) 255-3924

24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

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.

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P280: Wear protective gloves/protective clothing/eye protection/face protection.
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-

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use. Do not breathe vapors/dust. Do not eat, drink or smoke when using this produt. Use only in area with appropriate exhaust ventilation.

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

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UPPER EXPLOSION LIMIT: 0

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

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AQUATIC TOXICITY (ACUTE)

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

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313 REPORTABLE INGREDIENTS: None.

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.

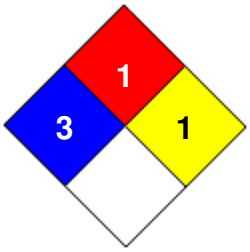
16. OTHER INFORMATION

Date Prepared: 12/06/2022

HMIS RATING

HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	F

NFPA CODES



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SAFETY DATA SHEET

Date Issued : 03/04/2022
SDS No. : Regal Algaecide 30

Regal Pool Care System Poly-Algaecide 30

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Regal Pool Care System Poly-Algaecide 30
GENERAL USE: Algaecide
ACTIVE INGREDIENT(S): Poly[oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]

DISTRIBUTOR

Alliance Trading, Inc.
109 North Park Blvd., 4th Floor
Covington, LA 70433

24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 4

Environmental:

Aquatic Toxicity, Category 1

GHS LABEL


Exclamation mark


Environment

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H302: Harmful if swallowed.
H400: Very toxic to aquatic life.

PRECAUTIONARY STATEMENT(S)

Prevention:

P264: Wash ... thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P273: Avoid release to the environment.

Response:

P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
P330: Rinse mouth.
P391: Collect spillage.

Disposal:

789508DQ: Dispose of contents/container to comply with local, state and federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Poly[oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]	30	31512-74-0

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

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Date Issued : 03/04/2022
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Regal Pool Care System Poly-Algaecide 30

SKIN: Wash with soap and water. Remove and wash contaminated clothing before reuse. Get medical attention if irritation develops or persists.

INGESTION: DO NOT INDUCE VOMITING. Give a glass of water or milk to drink. Call a physician or poison control immediately. Never give anything by mouth to an unconscious person.

INHALATION: If breathing is difficult, remove to fresh air and give oxygen. Keep victim at rest in a position comfortable for breathing. If NOT BREATHING, call 911 or an ambulance, then give artificial respiration.

NOTES TO PHYSICIAN: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Nonflammable

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

OTHER CONSIDERATIONS: Material will not burn.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide may be formed upon burning.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Avoid release to the environment. This product is toxic to fish and aquatic organisms. Do not discharge into effluent containing this product into lakes, streams, ponds or estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharging. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, call your State Water Board Authority or Regional Office of EPA.

SPECIAL PROTECTIVE EQUIPMENT: Wear appropriate gloves to prevent skin exposure and chemical splash goggles.

COMMENTS: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in a cool, dry, well-ventilated area away from incompatible materials.

STORAGE PRESSURE: Atmospheric

COMMENTS: Do not reuse empty containers without commercial cleaning or reconditioning. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Spills must be absorbed with sawdust or sand and disposed of in a sanitary landfill. Leaking or damaged drums must be placed in overpack drums for disposal. Do not stack drums more than 4 drums high.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
	EXPOSURE LIMITS			
Chemical Name	**Type**		**ppm**	**mg/m³**
Poly[oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]	**OSHA PEL**	**TWA**	[1]	[1]
	ACGIH TLV	**TWA**	[1]	[1]
Footnotes: **1**. Not established.				

ENGINEERING CONTROLS: Local exhaust.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical safety goggles.

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SKIN: Impervious gloves.

RESPIRATORY: None normally required.

PROTECTIVE CLOTHING: Body protective clothing and shoes.

WORK HYGIENIC PRACTICES: Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practices.

OTHER USE PRECAUTIONS: Facities storing or utilizing this material should be equipped with an eyewash station and safety shower.

COMMENTS: Use adequate ventilation to keep airborne concentrations low.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild.

APPEARANCE: Blue liquid.

pH: 6.0 to 8.0

FLASHPOINT AND METHOD: Not Available

LOWER EXPLOSION LIMIT: 0

UPPER EXPLOSION LIMIT: 0

VAPOR PRESSURE: Not Available

VAPOR DENSITY: 1.15 g/cm3

BOILING POINT: > 100°C (212°F)

FREEZING POINT: 0°C (32°F)

SOLUBILITY IN WATER: Soluble at 25.0 C (77.0 F)

EVAPORATION RATE: Not Available

DENSITY: 8.8 - 9.1 lbs/gal at 25°C (77°F)

SPECIFIC GRAVITY: 1.06 to 1.1

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

INCOMPATIBLE MATERIALS: None known.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

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

ORAL LD_{50}: 1850 g/kg (rat)

INHALATION LC_{50}: 2.9 mg/L (4 hour - rat)

COMMENTS: Data provided is for neat product.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE):

LC50 = 44.00 UG/l - 48 hours (Rainbow trout)
LC50 = 660.0 UG/l - 24 hours (Harlequinfish)
LC50 = 3350 UG/l - 48 hours (Channel catfish)
LC50 = 60,000 UG/l - 48 hours (Zebra mussel)

LC50 = 218.0 UG/l 48 hours (Water Flea)

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COMMENTS: Data provided is for neat product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

RCRA/EPA WASTE INFORMATION: This product is not considered a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA).

GENERAL COMMENTS: Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Empty drums should be completely drained and properly bunged, then promptly returned to a drum reconditioner, or properly disposed of.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: No components of this product are present above the de minimus levels.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All components of this product may not be listed in the TSCA Inventory. EPA registered pesticides are exempt from the requirements of TSCA.

CALIFORNIA PROPOSITION 65: There are no chemicals present known to the State of California to cause cancer.

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 EPA LABEL 46043-24:

CAUTION.

Harmful if swallowed.

Toxic to fish and aquatic organisms.

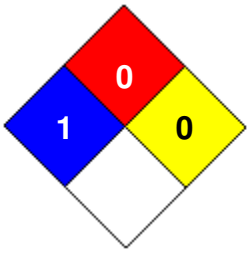
16. OTHER INFORMATION

Date Prepared: 03/04/2022

HMIS RATING

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA CODES



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as to the suitability of the information for their particular purpose(s).

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Date issued : 05/07/2025
SDS number : Regal Winter Shield

Regal Pool Care System Winter Shield

1. Identification

Product identifier: Regal Pool Care System Winter Shield
Relevant identified uses: Winter closing stain and scale control for swimming pools.

Distributor
Alliance Trading, Inc.
109 North Park Blvd., 4th Floor
Covington, LA 70433

Emergency telephone number (24 hour)
Chem-Tel 24-Hour Emergency # (800) 255-3924

2. Hazard identification

Label elements



Corrosion

Signal word: DANGER

Hazard statement(s)

H314: Causes severe skin burns and eye damage.
H303: May be harmful if swallowed.
H290: May be corrosive to metals.

Precautionary statement(s)

Supplemental label elements:

P234: Keep only in original packaging.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P264: Wash ... thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
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].
P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container to ...
P262: Do not get in eyes, on skin, or on clothing.

Potential health effects

Eye: Corrosive. Causes eye burns and permanent tissue damage.

Skin: Corrosive. Causes permanent skin damage.

Ingestion: Corrosive to mouth, esophagus and stomach.

Inhalation: Mist may be severely irritating to nose, throat and lungs depending upon concentration and duration of exposure.

Carcinogenicity: Not listed by NTP, IARC or OSHA.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Phosphonic Acid, (1-hydroxyethylidene)bis-	10 - 20	2809-21-4

Comments: Proprietary blend. Ingredients in this section have been determined to be hazardous as defined by 29CFR 1910.1200.

4. First-aid measures

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Date issued : 05/07/2025
SDS number : Regal Winter Shield

Regal Pool Care System Winter Shield

Eye: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Skin: Immediately wash with large amounts of water; use soap, if available. Remove contaminated clothing, including shoes, after washing has begun. Get immediate medical attention.

Ingestion: Do not induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get prompt medical attention. Do not attempt to give anything to an unconscious person.

If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor for breathing difficulty.

Inhalation: Immediately move the victim from exposure and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

5. Fire-fighting measures

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Fire fighting procedures: Material will not burn. Containers can build up pressure if exposed to heat (fire). Use water spray to cool fire-exposed surfaces and to protect personnel.

Fire fighting equipment: Firefighters should wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Small spill: Contain spilled material with sand or earth. Recover by pumping or with suitable absorbent.

Large spill: Prevent additional discharge of material if able to do so without hazard. Warn downwind areas of corrosive release hazard. Advise authorities.

Environmental precautions

Water spill: Prevent spill rinsate from contamination of storm drains, sewers, soil or groundwater.

General procedures: Material is water soluble/dispersble and may not be recoverable.

7. Handling and storage

Precautions for safe handling: Keep container closed. Both open and handle container with care. Store in a cool, well ventilated place away from imcompatible materials.

Do not pressurize, cut or heat container. Empty product containers may contain product residue. Do not reuse empty containers.

Conditions for safe storage: Corrosive to most metals, including carbon steel, aluminum/aluminum alloys and copper /copper alloys.

8. Exposure controls/personal protection

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Exposure controls

Control parameters				
	Occupational exposure limit values			
Chemical name	**Type**		**ppm**	**mg/m³**
Phosphonic Acid, (1-hydroxyethylidene)bis-	**OSHA PEL**	**TWA**	ppm [1]	mg/m3 [1]
		STEL	ppm	mg/m3
	ACGIH TLV	**TWA**	ppm	mg/m3
		STEL	ppm	mg/m3
	Supplier OEL	**TWA**	NL	NL
		STEL	NL	NL
Footnotes: **1**. NL = Not Listed				

Appropriate engineering controls: Local exhaust.

Individual protection measures, such as personal protective equipment

Eye / face protection: Chemical splash goggles and face shield.

Skin protection - hand protection: Chemical-resistant gloves.

Respiratory protection: Where overexposure by inhalation may occur; or other means of exposure reduction are not adquate, approved respirators may be necessary.

Occupational hygiene practices: Provide safety shower and eyewash station in the work area.

9. Physical and chemical properties

Physical state: Liquid

Appearance: Yellow Liquid.

Odor: Faint.

pH: < 2.0

Freezing point: < 0°C

Initial boiling point and boiling range: > 100°C

Flash point: > 100°C (212°F) TAG CC

Explosion limit / flammability limit notes: Non-flammable.

Relative density: 1.05 to 1.060

Solubility: Soluble

10. Stability and reactivity

Reactivity: Yes

Dangerous polymerization: Will not occur.

Conditions to avoid: Contact with common metals might produce flammable hydrogen gas.

Hazardous decomposition products: Oxides of phosphorous and carbon; acids of phosphorous, phosphine, oxides of carbon, oxides of nitrogen.

Incompatible materials: Strong oxidizers and strong alkalis.

11. Toxicological information

Acute toxicity

Acute oral toxicity LD_{50}: 1800 mg/kg (mice)

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Notes: Listed amounts are for neat product.

Specific Target Organ Toxicity - single exposure: Neat product may cause damage to the following organs: blood, gastrointestinal tract, upper respiratory tract, skin, eyes, bones.

12. Ecological information

Other adverse effects: Listed information is for neat product.

Comments: LC50 = 527 mg/l 48 hours Daphnia magna
LC50 = 368 mg/l 96 hours Rainbow Trout
LC50 = 868 mg/l 96 hours Bluegille sunfish

13. Disposal considerations

Disposal methods: Dispose in accordance with all applicable regulations.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Corrosive Liquid, Acidic, Organic, N.O.S. (Phosphonic acid)

UN number: UN 3265

Transport hazard class(es): 8

Packing group, if applicable: III

Reportable quantity (rq) under CERCLA: None

DOT other shipping information: DOT exception 173.154 - this product qualifies as a Limited Quantity when inner packaging does not exceed 1.3 gallons.

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Hazard Categories: Health: Immediate (Acute) Health Hazard

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA regulatory: No components of this product are present above the de minimus levels.

TSCA (The Toxic Substances Control Act)

TSCA regulatory: All components are listed on the TSCA Inventory.

RCRA status: When disposed of, this product may be regulated as a RCRA Hazardous Waste with the characteristic of corrosivity due the pH of the neat material.

16. Other information

Date Prepared: 05/07/2025

HMIS rating

Health	3
Flammability	0
Physical hazard	1
Personal protection	

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suitability of the information for their particular purpose(s).

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Date issued : 07/19/2023
SDS number : Regal Pool Renew

Regal Pool Care System Pool Renew

1. Identification

Product identifier: Regal Pool Care System Pool Renew
Relevant identified uses: Pool opening aid

Distributor
Alliance Trading, Inc.
109 North Park Blvd., 4th Floor
Covington, LA 70433

Emergency telephone number (24 hour)
Chem-Tel 24-Hour Emergency # (800) 255-3924

2. Hazard identification

Label elements

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Precautionary statement(s)

Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.
P264: Wash ... thoroughly after handling.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P332+P313: If skin irritation occurs: Get medical advice/attention.

3. Composition/information on ingredients

Chemical name	% w/w
Proprietary Blend of Mixed Enzymes	100

Comments: This product is an aqueous solution of mixture of enzymes as the primary mechanism for digesting non-living organics and oil from water. The exact formulation is a trade secret.

4. First-aid measures

Eye: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin: Flush skin with plenty of soap and water, removing contaminated clothing. If irritation persists, consult a physician.

Ingestion: Give large amounts of water. Do not induce vomiting. If spontaneous vomiting is inevitable, prevent aspiration by keeping victim's head below the knees. Get immediate medical attention.

Inhalation: If adverse effects occur, remove to uncontaminated area. If symptoms of overexposure occur, get medical attention.

Indication of immediate medical attention and special treatment needed, if necessary: Under normal use and conditions, the product is considered nontoxic and nonhazardous.

5. Fire-fighting measures

Suitable extinguishing media: Water fog or fine water spray, dry chemicals, carbon dioxide, sand or foam.

Fire fighting equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Small spill: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Large spill: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Dispose in accordance with all local, state, and federal regulations.

Environmental precautions

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Water spill: Prevent entry into waterways, sewers, basements or confined areas. Absorb with liquid-binding materials (sand, universal binders, sawdust).

Special protective equipment: Wear appropriate protective equipment and clothing during clean-up.

7. Handling and storage

Precautions for safe handling: Wear appropriate personal protective equipment (PPE). Avoid contact with skin and eyes. Wash hands thoroughly after handling.

Conditions for safe storage: Store this product below 120°F (49°C), preferably below 75°F (24°C), in a cool, dry, well ventilated area away from heat, sparks, flame, oxidizers and out of direct sunlight. For best results, use within 12 months.

8. Exposure controls/personal protection

Individual protection measures, such as personal protective equipment

Eye / face protection: General eye protection suggested when handling any chemical product. Eye wash fountain is recommended.

Skin protection - hand protection: Chemical-resistant gloves.

Respiratory protection: No special breathing equipment required.

Skin protection - other: Protective work clothing.

Occupational hygiene practices: Always follow good hygiene/work practices by avoiding vapors or mists and contact with eyes and skin. Thoroughly wash hands after handling and before eating or drinking. Always wear the appropriate PPE when repairing or performing maintenance on contaminated equipment.

9. Physical and chemical properties

Physical state: Liquid

Appearance: Clear light amber

Odor: Mild.

Odor threshold: Not Determined.

pH: 3.8 to 4.2 77°F (25°C)

Freezing point: < 0°C (32°F)

Initial boiling point and boiling range: > 100°C (212°F)

Flash point: Not Available

Evaporation rate (n-butyl acetate = 1): <0.01 *N-butyl acetate = 1

Vapor pressure: <0.01 mm Hg @ 68°F (20°C)

Relative vapor density: Similar to water.

Density: 8.4 - 8.5 bs/gal

Relative density: 1 to 1.02 at 25°C (77°F)

Solubility: Complete.

Auto-ignition temperature: Not Available

VOC content: Negligible

10. Stability and reactivity

Reactivity: Hazardous polymerization will not occur.

Chemical stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Hazardous decomposition products: None known.

Incompatible materials: Strong oxidizing agents, alkalis.

11. Toxicological information

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Acute toxicity

Notes: LD/LC50 values that are relevant for classification: Product has not been tested. Based on the known information of the ingredients, product is expected to have a low order of acute toxcitiy. (>2,000 mg/kg)

Skin corrosion / irritation: No irritant effect.

Serious eye damage / irritation: May cause discomfort, yet not an eye irritant.

Respiratory or skin sensitization: No sensitizing effects known.

Carcinogenicity

IARC: None of the ingredients are listed as carcinogens.

NTP: None of the ingredients are listed as carcinogens.

Notes: None of the ingredients are listed as carcinogens.

12. Ecological information

Ecotoxicological information: Readily biodegradable.

Aquatic toxicity, both acute and chronic

96-hour LC_{50}: < .59 mg/kg (fathead minnow)

48-hour EC_{50}: < .36 mg/kg (daphnia)

Comments: This product contains no PBT/vPvB chemicals.

13. Disposal considerations

Disposal methods: Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: NMFC 48580.3 Cleaning/Scouring/Wash Comp Class 55

Technical name: Not Regulated.

ICAO / IATA - air

UN proper shipping name: Not Regulated.

IMO / IMDG - International

UN proper shipping name: Not Regulated.

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Not listed.

313 reportable ingredients: No reportable chemicals.

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA regulatory: Not listed.

CERCLA rq: No.

Regulations

State regulations: No components of this product are regulated by the states.

California Proposition 65: This product does not contain any Proposition 65 chemicals.

16. Other information

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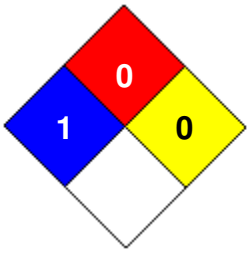
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Regal Pool Care System Pool Renew

HMIS rating

Health	1
Flammability	0
Physical hazard	0
Personal protection	B

NFPA codes



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