

SAFETY DATA SHEET

Date issued : 06/10/2024

SDS number : Pool Season Non-Chlorine Shock

Pool Season Non-Chlorine Shock

1. Identification

Product identifier: Pool Season Non-Chlorine Shock

Product description: 1303N6RW

Relevant identified uses: Oxidizer

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

Classification of the substance or mixture

Acute Toxicity (Oral), Category 4
Skin Corrosion, Category 1B
Serious Eye Damage, Category 1
Eye Irritation, Category 1

Label elements



Corrosion



Exclamation
mark

Signal word: DANGER

Hazard statement(s)

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

Precautionary statement(s)

Supplemental label elements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash ... thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

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

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].

P304+P340: IF INHALED: Remove person to fresh air and keep 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.

P310: Immediately call a POISON CENTER/doctor/...

P363: Wash contaminated clothing before reuse.

P405: Store locked up.

P501: Dispose of contents/container to ...

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Pentapotassium bis(peroxymonosulphate) bis(sulphate)	86 - 96	70693-62-8
Dipotassium peroxodisulphate	0 - 5	7727-21-1

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Magnesium Carbonate (Tetra[carbonato(2-)]dihydroxypentamagnesium)

1 - 2

7760-50-1

Comments: Supplier's Acceptable Limits noted in Section 8 is Dupont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits are lower than Dupont's limits, such limits shall take precedence.

4. First-aid measures

Eye: Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes. Call a physician immediately.

Skin: Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reuse.

Ingestion: DO NOT INDUCE VOMITING. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5. Fire-fighting measures

Flame propagation or burning rate of solids: Product does not flash or burn.

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire. Carbon dioxide is not a suitable extinguishing media.

Fire fighting equipment: Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

Hazardous decomposition products: Hazardous decomposition products include oxygen, sulfur dioxide, sulfur trioxide.

6. Accidental release measures

Small spill: Sweep up thoroughly. Avoid dust formation. Flush area with low pressure water.

Environmental precautions

Water spill: Avoid runoff to waterways and sewers.

General procedures: Evacuate area. Use PPE.

7. Handling and storage

Precautions for safe handling: Use only in well-ventilated areas. Do not breathe dust. Avoid dust formation in confined areas. Avoid contact with skin and eyes. Keep away from heat and flame. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage: Store in a cool, dry, well-ventilated area away from heat sources. Protect from contamination. Store in original container. Keep away from: Combustible material. Never allow product to come in contact with water during storage. Stable under recommended storage conditions.

Loading temperature: Replace the lid on plastic pails when they are not in use to prevent contamination and extend shelf life.

8. Exposure controls/personal protection

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Exposure controls

Control parameters				
			Occupational exposure limit values	
Chemical name	Type		ppm	mg/m ³
Pentapotassium bis(peroxymonosulphate) bis(sulphate)	Supplier OEL	TWA	[1]	1 [1]
Dipotassium peroxodisulphate	ACGIH TLV	TWA	[2]	0.1 [2]
	Supplier OEL	TWA	[3]	10 [3]
Footnotes: 1. 8 & 12 hr. TWA Total Dust. 2. TWA as persulfate. 3. 8 hr. TWA				

Appropriate engineering controls: Local exhaust.

Individual protection measures, such as personal protective equipment

Eye / face protection: Wear chemical safety goggles.

Skin protection - hand protection: Where there is potential for skin contact, wear impervious gloves, apron, pants and jacket.

Respiratory protection: When concentrations are above exposure limit, use appropriate certified respirators.

Other use precautions: When using, do not eat or drink. Do not breathe dust.

9. Physical and chemical properties

Physical state: Solid

Appearance: White granular.

Odor: Mild chlorine.

pH: 2.1

Melting point: Decomposes before melting.

Flash point: Will not burn.

Evaporation rate (n-butyl acetate = 1): Not volatile.

Lower explosion limit / flammability limit: 0

Upper explosion limit / flammability limit: 0

Vapor pressure: <0.0000017 hPa

Density: 1100-1400 kg/m³

Relative density: 2.35 at 20°C (68°F)

Solubility: 297 to 357 g/l at 22°C (72°F)

VOC content: 1

10. Stability and reactivity

Dangerous polymerization: No additional information available.

Chemical stability: Stable when handled and stored as indicated.

Conditions to avoid: Temperatures above 50° C (>122° F). Avoid extreme heat.

Possibility of hazardous reactions: Decomposes when heated or dampened, releasing oxygen and heat of decomposition.

Hazardous decomposition products: Oxygen, sulfur dioxide, sulfur trioxide products.

Incompatible materials: Halogenated compounds (bromine, chlorine, iodine), cyanides, heavy metal salts.

11. Toxicological information

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Acute toxicity

Acute inhalation toxicity LC₅₀: > 5 mg/L (4 hour)

Notes: In rats.

Notes: Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Dermal LD50: >2000 mg/kg (rat)

Oral LD50: 500 mg/kg (rat)

Repeated Dose Toxicity:

○Inhalation (rat) - Reversible corneal damage

○Oral (rat) - Gastrointestinal effects

Mutagenicity: Did not cause genetic damage in animals. Tests on mammalian cell cultures showed mutagenic effects. Did not cause genetic damage in cultured bacterial cells. Overall weight of evidence indicates that the substance is not mutagenic.

Teratogenicity: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing material toxicity.

Dipotassium peroxodisulphate

Dermal LD50: >10,000 mg/kg (rabbit)

Oral LD50: 802 mg/kg (rat)

Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Respiratory or skin sensitization: Did not cause sensitization on laboratory animals. May cause sensitization of susceptible persons by skin contact or by inhalation of dust.

12. Ecological information

Comments:

Pentapotassium bis(peroxymonosulphate) bis(sulphate):

96h LC50 *Cyprindodon variegatus* (sheepshead minnow) 1.09 mg/l

72h ErC50 Algae > 1 mg/l

48h EC50 *Daphnia* 3.5 mg/l

Environmental Fate

Readily Biodegradable. Bioaccumulation is unlikely.

Dipotassium peroxodisulphate

48h EC50 *Daphnia magna* (water flea) 120 mg/l

Tetra(carbonato(2-))dihydroxypentamagnesium

96 h LC50 *Pimephales promelas* (fathead minnow) 2,120 mg/l

48 h EC50 *Daphnia magna* (water flea) 140 mg/l

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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 Solid, Acidic, Inorganic, N.O.S. (monopersulfate compound)

UN number: UN 3260

Transport hazard class(es): 8

Packing group, if applicable: II

Hazard label: Corrosive

DOT other shipping information: Ground Shipping DOT exception 173.154 - this product qualifies as a Limited Quantity when inner packaging does not exceed 2.2 lbs and outer packaging does not exceed 66 lbs.

ICAO / IATA - air

UN proper shipping name: Corrosive Solid, Acidic, Inorganic, N.O.S. (monopersulfate compound)

UN number: UN3260

Transport hazard class(es): 8

Packing group, if applicable: II

Note: Passenger Aircraft/Rail: Quantity limitations: 15 kg (33.07 lbs.)

Cargo Aircraft/Rail: Quantity limitations: 50 kg (110.23 lbs.)

** In accordance to Section 173.154

IMO / IMDG - International

UN proper shipping name: Corrosive Solid, Acidic, Inorganic, N.O.S. (monopersulfate compound)

UN number: UN3260

Transport hazard class(es): 8

Packing group, if applicable: II

EmS: F-A, S-B

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Not listed

313 reportable ingredients: This product does not contain a chemical listed at or above de minimis concentrations.

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA regulatory: Not listed

TSCA (The Toxic Substances Control Act)

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

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

General comments: Active ingredient in this composition is Potassium Peroxymonosulfate, CAS No. 10058-23-8, Concentration: 43-47% (Typical 45%)

16. Other information

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HMIS rating

Health	<input type="checkbox"/>	3
Flammability	<input type="checkbox"/>	0
Physical hazard	<input type="checkbox"/>	1
Personal protection	<input type="checkbox"/>	

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