

POOLWERX USA, INC
SAFETY DATA SHEET

Section 1: Identification

Product Name: Vitalyse Spa Shock Extra
Poolwerx USA, Inc
4801 Spring Valley Road, Suite 103
Farmers Branch TX 75244

Product Code: C007881

Emergency Phone:

CHEMTREC: Canada and USA - (800) 424-9300
CHEMTREC: In Mexico - 01-800-681-9531

Product Use: Disinfectant, Sanitizer, Algaecide
Not recommended for: NA

Section 2: Hazard(s) Identification

GHS Ratings:

Oxidizing solid	2	Oxidizing solid class 2
Acute Toxicity - Oral	4	Oral>300+<=2000mg/kg
Skin corrosion/irritation	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Serious eye damage/eye irritation	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Specific target organ toxicity single exposure	2	Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance) - Human evidence in exceptional cases
Acute aquatic toxicity	A1	Acute toxicity <= 1.00 mg/l
Chronic aquatic toxicity	C4	Acute toxicity > 100 mg/l and lack of rapid degradability and log Kow >= 4 unless BCF < 500 and unless chronic toxicity > 1 mg/l

GHS Hazards

H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H371	May cause damage to organs
H400	Very toxic to aquatic life
H413	May cause long lasting harmful effects to aquatic life

GHS Precautions

P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P220	Keep/Store away from clothing and other combustible materials
P221	Take any precaution to avoid mixing with combustibles
P260	Do not breathe dust/fume/gas/mist/vapors/spray
P264	Wash face, hands, and any exposed skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see first aid treatment on SDS)

P330	Rinse mouth
P362	Take off contaminated clothing and wash before reuse
P391	Collect spillage
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352	If on skin: Wash with plenty of soap and water.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309+P311	IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician
P332+P313	If skin irritation occurs: Get medical advice / attention
P370+P378	In case of fire: Use ... for extinction Store locked up
P405	Dispose of contents/container in accordance with local/regional/national/international regulations
P501	

Danger



Section 3: Composition/Information on Ingredients

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium dichloro-s-triazinetrione 2893-78-9 50% - 60%			
Disodium carbonate 497-19-8 40% - 50%			

Section 4: First-aid Measures

Inhalation

Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

Eye Contact

Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

Skin Contact

Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

Ingestion

If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything

by mouth to an unconscious person.

Section 5: Fire-fighting Measures

Extinguishing Media

Large Amounts of Water as water reacts with substance . do not use dry chemicals, carbon dioxide, or halogenated extinguishing agents

Specific Hazards Arising from the Chemical

Chlorine, Nitrogen trichloride, Hydrogen chloride, Nitrogen oxide, and carbon monoxide.

Special Protective Equipment and Precautions for Firefighters

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

Section 6: Accidental Release Measures

Spill and Leak Procedures

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Prevent further leakage or spillage if safe to do so. Do not contaminate water or use water during clean up as the material is reactive with water.

Sweep up spills or leaks with dry broom into suitable container for disposal.

Section 7: Handling and Storage

Handling Procedures

Use with adequate ventilation. Avoid breathing dusts, mists, and vapors. Do not get in eyes, on skin, or on clothing. Wear eye protection and protective clothing. Wash thoroughly after handling.

Storage Requirements

Store containers in a cool, dry, well ventilated place. Keep container closed when not in use.

Section 8: Exposure Control/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium dichloro-s-triazinetrione 2893-78-9			
Disodium carbonate 497-19-8			

ENGINEERING CONTROLS: Provide ventilation sufficient to maintain exposure below the recommended limits .

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

SKIN PROTECTION: Wear impervious protective gloves. Wear protective gear as needed - apron, suit, boots .

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield .

OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

HYGENIC PRACTICES: Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

Section 9: Physical and Chemical Properties

Appearance: White powder Vapor Pressure: <0.06 Pa @ 20°C Vapor Density: Not Available Density: 55 - 57 lbs/ft ³ Freezing point: Not Available Boiling range: Not Available Evaporation rate: Not Available Explosive Limits: Not Explosive Autoignition temperature: Not Available Viscosity: Not Available	Odor: Slight Chlorine Odor Odor threshold: Not Available pH: 9 - 10 Melting point: Decomposes without melting (252° C) Solubility: 24.3 g/ 100g @25°C Flash point: Not Available Flammability: Not Flammable Specific Gravity: Not Available Decomposition temperature: 486° F (252°C) Grams VOC less water: Not Available
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Section 10: Stability and Reactivity**Chemical Stability:**

STABLE

Incompatible Materials

Acid Alkali, Chlorine Agents, Oils/Fats and Flammable materials

Conditions to Avoid

Heat (Keep product under 40 Degree C), direct Sunlight, water and moisture

Hazardous Decomposition Products

Chlorine, Nitrogen trichloride, Hydrogen chloride, Nitrogenoxide, carbon monoxide, carbon dioxide, and nitrogen.

Hazardous Polymerization

Hazardous polymerization will not occur.

Section 11: Toxicology Information**Mixture Toxicity**

Oral Toxicity LD50: 1,137mg/kg

Dermal Toxicity LD50: 2,097mg/kg

Inhalation Toxicity LC50: 5mg/L

Component Toxicity

2893-78-9 Sodium dichloro-s-triazinetriene

Oral LD50: 735 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rabbit) Inhalation LC50: 50 mg/L (Rat)

497-19-8 Disodium carbonate

Oral LD50: 4,090 mg/kg (Rat) Dermal LD50: 2,210 mg/kg (Mouse) Inhalation LC50: 2,300 mg/m³**Routes of Entry:**

Inhalation

Ingestion

Skin contact

Eye contact

Target Organs**Effects of Overexposure**

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			N/A

Section 12: Ecological Information

Component Ecotoxicity

Sodium dichloro-s-triazinetriene	96 Hr LC50 Lepomis macrochirus: 0.25 - 1 mg/L ; 96 Hr LC50 Lepomis macrochirus: 0.207 - 0.389 mg/L ; 96 Hr LC50 Oncorhynchus mykiss: 0.176 - 0.267 mg/L ; 96 Hr LC50 Oncorhynchus mykiss: 0.29 mg/L; 96 Hr LC50 Oncorhynchus mykiss: 0.13 - 0.36 mg/L 48 Hr EC50 Daphnia magna: 0.00018 - 0.00021 mg/L; 48 Hr EC50 Daphnia magna: 0.093 - 0.16 mg/L
Disodium carbonate	96 Hr LC50 Lepomis macrochirus: 300 mg/L ; 96 Hr LC50 Pimephales promelas: 310 - 1220 mg/L 48 Hr EC50 Daphnia magna: 265 mg/L

Section 13: Disposal Considerations

Dispose of in accordance with local, state and federal regulations.

Section 14: Transportation Information

The following is for US DOT Highway Transportation. Other modes/jurisdictions may have different classifications. Due to Product concentrations this is Non-Regulated by DOT

Section 15: Regulatory Information

EPA Reg. No.57787-37-104234

FIFRA information:

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. Following is the hazard information as required on the pesticide label:

DANGER: Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling this product. Do not breathe dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

CERCLA/SARA Hazardous Substances

OSHA Process Safety Management Highly Hazardous Chemicals

U.S. Clean Air Act Toxic and Flammable Substances

SARA 313

This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know-Act of 1986 (40 CFR 372):

This information must be included in all SDSs that are copied and distributed for this material.

TSCA 8(b) Inventory

- 497-19-8 Disodium carbonate
- 2893-78-9 Sodium dichloro-s-triazinetrione

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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Section 16: Other Information

Date Prepared: 10/6/2023

Disclaimer

The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.