

**POOLWERX USA, INC**  
**SAFETY DATA SHEET**

**Section 1: Identification**

Product Name: Vitalyse Spa Shock    Product Code: C007880

Poolwerx USA, Inc  
4801 Spring Valley Road, Suite 103  
Farmers Branch TX 75244

**Emergency Phone**  
CHEMTREC (800) 424-9300  
CHEMTREC International (703) 527-3887

Product Use: Pool & Spa Treatment  
Not recommended for: Other uses

**Section 2: Hazard(s) Identification**

**GHS Ratings:**

|  |    |  |
|--|----|--|
| Acute Toxicity - Oral                          | 3  | Oral>50+<=300mg/kg   |
| Acute Toxicity - Dermal                        | 4  | Dermal>1000+<=2000mg/kg  |
| Skin corrosion/irritation                      | 1C | Destruction of dermal tissue: Exposure < 4 hours<br>Observation < 14 days, visible necrosis in at least one animal |
| 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 | 3  | Transient target organ effects- Narcotic effects- Respiratory tract irritation                                     |
| Acute aquatic toxicity                         | A1 | Acute toxicity <= 1.00 mg/l  |
| Chronic aquatic toxicity                       | C1 | Acute toxicity <= 1.00 mg/l and lack of rapid degradability and log Kow >= 4 unless BCF < 500                      |

**GHS Hazards**

|      |  |
|------|--|
| H301 | Toxic if swallowed                                   |
| H312 | Harmful in contact with skin                         |
| H314 | Causes severe skin burns and eye damage              |
| H318 | Cause serious eye damage                             |
| H335 | May cause respiratory irritation                     |
| H336 | May cause drowsiness or dizziness                    |
| H400 | Very toxic to aquatic life                           |
| H410 | Very toxic to aquatic life with long lasting effects |

**GHS Precautions**

|      |   |
|------|---|
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray                            |
| P261 | Avoid breathing 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                        |
| P271 | Use only outdoors or in a well-ventilated area                            |
| 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                      |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell               |
| P321 | Specific treatment (see first aid treatment on SDS)                       |
| P322 | Specific measures (see first aid treatment on SDS)                        |

|                |  |
|----------------|--|
| P330           | Rinse mouth  |
| P363           | Wash contaminated clothing before reuse  |
| P391           | Collect spillage   |
| P301+P310      | If swallowed: Immediately call a POISON CENTER or doctor / physician.  |
| P301+P330+P331 | If swallowed: Rinse mouth. Do NOT induce vomiting.   |
| P302+P352      | If on skin: Wash with plenty of soap and water.  |
| P303+P361+P353 | If on skin (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.                   |
| P304+P340      | If inhaled: 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. |
| P405           | Store locked up  |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.   |
| P501           | Dispose of contents/container in accordance with local/regional/national/international regulations                               |

**Danger**



**Section 3: Composition/Information on Ingredients**

\*The specific chemical concentration of the composition has been withheld as trade secret.

| Chemical Name / CAS No.  | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|--|----------------------|-----------------------|-----------------------|
| Sodium dichloroisocyanurate dihydrate<br>51580-86-0<br>90 - 100% |                      |                       |                       |

**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**

**Fire Hazard:** According to NFPA 400 (Hazardous Materials Code), this material is classified as a Class 1 Oxidizer. Class 1 Oxidizers are oxidizers that do not moderately increase the burning rate of combustible materials with which it comes into contact. Wet material may generate nitrogen trichloride, an explosion hazard. If heated by outside source to temperatures above 210 °C ( 410 °F ), this product will undergo decomposition with the evolution of noxious gases but no visible flame.

**Extinguishing Media**

Flood with copious amounts of water, DO NOT use ABC or other dry chemical extinguishers since there is the potential of a violent reaction.

**Specific Hazards Arising from the Chemical**

Strong Oxidizing Agent.

Material which appears undamaged except for being damp on the outside, should be opened and inspected immediately. Use extreme caution when inspecting damaged packaging as damp or wet material may generate nitrogen trichloride, an explosion hazard and/or other hazardous and toxic gases.

**Explosive properties:** Damp or wet material may generate nitrogen trichloride, an explosion hazard. See Section 10 for stability and reactivity precautions.

**Hazardous Combustion Products:** Chlorine; Nitrogen; Nitrogen trichloride; Cyanogen chloride; Oxides of carbon; Phosgene

**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**

**Personal Precautions:** Minimize dust levels while collecting product (see "Inhalation" health effects). Prevent exposure to dust with NIOSH approved respirators with HEPA filters. Minimize prolonged skin contact by using gloves.

**Environmental Precautions:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Dry product may be landfilled if permitted by local regulations. Discard empty container in trash. Wastewater containing product may be disposed of in accordance with all federal and state/provincial regulations, and local ordinances.

**Methods for Containment:** For dry product spills, collect material in an approved container while minimizing dust generation. Vacuum, as appropriate, remaining dust on floor.

**Methods for Cleanup:** Recycle or dispose of product, as necessary, in accordance with regulations. Wipe up small spills with a damp cloth. Dispose of according to local regulations.

**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 dichloroisocyanurate dihydrate<br>51580-86-0 |                      |                       |                       |

**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**

|   |   |
|---|---|
| <p><b>Physical State:</b> Solid</p> <p><b>Odor (threshold):</b> Slight Chlorine</p> <p><b>Solubility:</b> 26.5 g/ 100g @25°C</p> <p><b>Flammability:</b> Not Available</p> <p><b>Flash Point:</b> Not Available</p> <p><b>Lower &amp; Upper</b> Not Available<br/><b>Explosion/Flamability limit:</b></p> <p><b>pH:</b> 6 - 7 25°C (1% Solution)</p> <p><b>Vapor Pressure (Evap. Rate):</b> &lt;0.06 Pa @ 20C</p> <p><b>Relative Density:</b> 1.95 g/mL @ 25 °C</p> | <p><b>Color:</b> White</p> <p><b>Melting/Freezing Point:</b> Decomposes Without Melting/Not Applicable</p> <p><b>Boiling Point:</b> Not Available</p> <p><b>Auto-Ignition Temperature:</b> Not Available</p> <p><b>Decompositon Temperature:</b> &gt; 210°C with liberation of harmful gas</p> <p><b>Partition Coefficient n-</b> Not Available<br/><b>octanol/water (log value):</b></p> <p><b>Kinematic Viscosity:</b> Not Available</p> <p><b>Density:</b> Not Available</p> <p><b>Specific Gravity:</b> Not Available</p> |
|---|---|

**Section 10: Stability and Reactivity**

**Chemical Stability:**

STABLE

**Incompatible Materials**

Product attacks metals in general. It reacts with water, oxidant and reducing agents, acids, alkalis, nitrogen products, ammonium salts, urea, amines, quaternary ammonium derivatives, oils, fats, peroxides, cationic tensioactives, etc.

**Conditions to Avoid**

Humidity/Moisture and temperatures over 100°C can allow vapors generated to explode.

**Hazardous Decomposition Products**

Chlorine, nitrogen, nitrogen trichloride, cyanogen chloride, Oxides of Carbon, Phosgene, Chloramines.

**Hazardous Polymerization**

Hazardous Polymerization will not occur

**Section 11: Toxicology Information**

**Mixture Toxicity**

Inhalation Toxicity LC50: 4,200mg/L

**Component Toxicity**

**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**

**Section 13: Disposal Considerations**

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

**Pesticide Disposal:** Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse (or equivalent) promptly after emptying .

**Section 14: Transportation Information**

The following is for US DOT Highway Transportation. Other modes/jurisdictions may have different classifications and have not been disclosed in this section.

Status: NonBulk Packaging: not regulated unless transported by Vessel . This product is only classified as a Class 9 Marine Pollutant if shipped by bulk packaging or by vessel. see below for classification.

**UN Code:** UN3077

**DOT Name:** Environmentally Hazardous Substance, Solid, n.o.s. (Sodium dichloroisocyanurate dihydrate), Marine Pollutant.

**Hazard Class:** 9

**Packing Group:** III

## Section 15: Regulatory Information

EPA Reg. No. 57787-9-104234

### 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. May be fatal if inhaled.

Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe dust, vapor or spray mist.

This pesticide is toxic to fish and aquatic organisms.

### CERCLA/SARA Hazardous Substances

### EPCRA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):

Fire Hazard, Reactive Hazard, Acute Health Hazard

### Proposition 65 Information:

This product is not known to expose you to chemicals, which are known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### 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

7647-14-5 Sodium chloride

## Section 16: Other Information

Date Prepared: 9/18/2024

### 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.