POOLWERX USA, INC
SAFETY DATA SHEET

Section 1: Identification

Product Name: Vitalyse Fast Shock Product Code: C007792

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 Chlorination
Not recommended for: Any other uses

Section 2: Hazard(s) Identification

GHS Ratings:

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	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
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

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
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

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
P312	Call a POISON CENTER or doctor/physician if you feel unwell
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.
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.
P332+P313	If skin irritation occurs: Get medical advice / attention
P337+P313	If eye irritation persists get medical advice / attention
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

Warning

Section 3: Composition/Information on Ingredients

*The specific chemical name and/or 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 51580-86-0 90% - 100%			
Trade Secret 0.1% - 1.0% Vapor Pressure: 1 mmHg			

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 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

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

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.

Section 11: Toxicology Information

Mixture Toxicity

Oral Toxicity LD50: 1,830mg/kg
Dermal Toxicity LD50: 2,021mg/kg
Inhalation Toxicity LC50: 4,200mg/L

Component Toxicity

51580-86-0 Sodium dichloroisocyanurate dihydrate
Oral LD50: 1,823 mg/kg (Rat) Dermal LD50: 2,001 mg/kg (Rabbit)

Routes of Entry:

Inhalation
Ingestion
Skin contact
Eye contact

Target Organs

Effects of Overexposure

CAS Number	Description	% Weight	Carcinogen Rating
None			N/A

Section 12: Ecological Information

Component Ecotoxicity

Sodium chloride

96 Hr LC50 Lepomis macrochirus: 5560 - 6080 mg/L ; 96 Hr LC50 Lepomis macrochirus: 12946 mg/L ; 96 Hr LC50 Pimephales promelas: 6020 - 7070 mg/L ; 96 Hr LC50 Pimephales promelas: 7050 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 6420 - 6700 mg/L ; 96 Hr LC50 Oncorhynchus mykiss: 4747 - 7824 mg/L
48 Hr EC50 Daphnia magna: 1000 mg/L; 48 Hr EC50 Daphnia magna: 340.7 - 469.2 mg/L [Static]

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

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

Trade Secret

Country	Regulation	All Components Listed

Section 16: Other Information

Date Prepared: 2/7/2025

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.