SAFETY DATA SHEET

Date Issued : 09/15/2021
SDS No. : Serum pH Down

HTS Turbo Watercare System pH Down

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HTS Turbo Watercare System pH Down
GENERAL USE: pH Decreaser

DISTRIBUTOR

Serum Watercare, LLC.
3049 Bradshaw Lane
The Villages, FL 32163
Product Stewardship: (609) 500-0341
E-Mail: East@HotTubSerum.net

2. HAZARDS IDENTIFICATION

GHS LABEL

Corrosion

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H318: Causes serious eye damage.

PRECAUTIONARY STATEMENT(S)

Prevention:

P262: Do not get in eyes, on skin, or on clothing.
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/...
P280: Wear protective gloves/protective clothing/eye protection/face protection.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation. Adverse symptoms may include pain, watering and redness.

SKIN: Skin contact can cause irritation of the skin with pain, itching and redness. Overexposure may cause chemical burns.

INHALATION: Severe over-exposure can produce lung damage, choking, unconsciousness or death.

ROUTES OF ENTRY: Eyes, Skin, Inhalation, Ingestion

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sodium Bisulfate (Eye Dam. 1, H318)	> 90	7681-38-1

4. FIRST AID MEASURES

EYES: Check for and remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open. Seek medical attention.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. If irritation persists, seek medical attention.

INGESTION: Do not induce vomiting unless directed to do so by medical professional. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt, or waistband.

INHALATION: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is

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difficult, give oxygen. Get medical attention. **WARNING**: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Nonflammable

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

FIRE FIGHTING EQUIPMENT: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

HAZARDOUS DECOMPOSITION PRODUCTS: At temperatures above 806 deg F, hazardous fumes sulfur oxide and sulfur trioxide are evolved.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Use appropriate containers to avoid environmental contamination.

LARGE SPILL: Corrosive solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

GENERAL PROCEDURES: Prevent entry into soil, waterways, drains and sewers. Inform relevant authorities if product has caused environmental pollution.

SPECIAL PROTECTIVE EQUIPMENT: Do not breathe dust. Provide adequate ventilation. Put on appropriate personal protective equipment.

7. HANDLING AND STORAGE

HANDLING: Wear all recommended personal protective clothing when handling. Avoid contact with eyes. Wash thoroughly after handling. Minimize dust generation. Avoid breathing dust.

STORAGE: Keep containers tightly closed in a dry, well-ventilated area. Keep away from children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
	EXPOSURE LIMITS			
Chemical Name	**Type**		**ppm**	**mg/m³**
Sodium Bisulfate (Eye Dam. 1, H318)	**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 ppm	NL mg/m3
		STEL	NL ppm	NL mg/m3

Footnotes:
1. This material meets the definition as an Irritant as defined in OSHA's Hazard Communication Standard.

ENGINEERING CONTROLS: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical safety goggles.

SKIN: Protective gloves, protective clothing.

RESPIRATORY: In dusty atmospheres (greater than 10 mg/m3) use a NIOSH-approved dust respirator.

WORK HYGIENIC PRACTICES:
The usual precautionary measures for handling chemicals should be followed.

SAFETY DATA SHEET

Date Issued : 09/15/2021
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Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Avoid breathing dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Dry crystalline solid.

ODOR: Fresh to pungent.

APPEARANCE: Off-white granular powder.

pH: < 1.0 5% aqueous solution spherical shaped beads.

FLASHPOINT AND METHOD: Not combustible.

LOWER EXPLOSION LIMIT: 0

UPPER EXPLOSION LIMIT: 0

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

MELTING POINT: 183°C

SOLUBILITY IN WATER: Partially Soluble
at 20°C (68°F)

DENSITY: 1.28

SPECIFIC GRAVITY: 2.435

MOLECULAR WEIGHT: 120.6 g/mol

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditins of storage and use, hazardouse decomposition products should not be produced.

INCOMPATIBLE MATERIALS: Oxidizing agents, alkalis, and moisture. Not corrosive in the presence of glass.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL LD_{50}: 2800 mg/kg - Rat

GERM CELL MUTAGENICITY: Mutagenic for bacteria and/or yeast.

CARCINOGENICITY

NOTES: Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This material dissolves in water to form a weak acid solution. A 0.05% or greater (by weight) solution of this product will likely be harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

SAFETY DATA SHEET

Date Issued : 09/15/2021
SDS No. : Serum pH Down

HTS Turbo Watercare System pH Down

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Not listed.

313 REPORTABLE INGREDIENTS: None.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

REGULATIONS

STATE REGULATIONS: Not regulated.

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

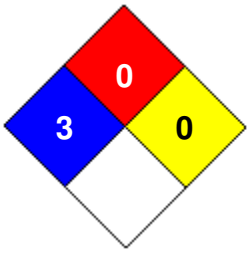
16. OTHER INFORMATION

Date Prepared: 09/15/2021

HMIS RATING

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	J

NFPA CODES



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