

SAFETY DATA SHEET

Date Issued : 01/03/2022
SDS No. : LH Super Shock 85/15

Litehouse Pools & Spas Super Shock

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Litehouse Pools & Spas Super Shock
GENERAL USE: Oxidizer

DISTRIBUTOR

Litehouse Pools & Spas
10883 Pearl Road, Suite 201
Strongsville, OH 44136
Product Stewardship: (440) 638-2350

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Not classified

Health:

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

Environmental:

Not classified

Physical:

Corrosive to Metals, Category 1

GHS LABEL

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).



Corrosion



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.
H302: Harmful if swallowed.
H290: May be corrosive to metals.

PRECAUTIONARY STATEMENT(S)

Prevention:

7222XWJP: Do not breathe dust
P270: Do not eat, drink or smoke when using this product.
P234: Keep only in original packaging.
P264: Wash ... thoroughly after handling.
7052PC2H: Wear protective gloves, eye protection, protective clothing.

Response:

P390: Absorb spillage to prevent material damage.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P363: Wash contaminated clothing before reuse.

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Storage:

P406: Store in a corrosion resistant/...container with a resistant inner liner.

P405: Store locked up.

Disposal:

3235U44K: P501: Dispose of contents/container to an approved waste disposal plant.

HAZARDS NOT OTHERWISE CLASSIFIED: None known.

COMMENTS: 1.65% of the mixture consists of component(s) of unknown acute oral toxicity.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Potassium Monopersulfate Compound	80 - 83	70693-62-8
Sodium Carbonate	13 - 16	497-19-8
Potassium Peroxydisulfate	3 - 6	7727-21-1
Magnesium Carbonate (Tetra[carbonato(2-)]dihydroxypentamagnesium	1 - 4	7760-50-1

4. FIRST AID MEASURES

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SKIN: Take off contaminated clothing immediately. Rinse skin with water/shower. Wash contaminated clothing before reuse.

INGESTION: Rinse mouth. Do NOT induce vomiting.

INHALATION: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE EFFECTS: Burning pain and severe corrosive skin damage. Causes serious eye damage. Dusts may irritate the respiratory tract, skin and eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

NOTES TO PHYSICIAN: Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Symptoms may be delayed.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Improper storage of large masses of "OXONE" or blended "OXONE" can trap heat and lead to ignition of combustibles.

Grinding or intensive mixing may cause decomposition with liberation of heat and oxygen; ignition of oxidizable material if present may occur.

EXTINGUISHING MEDIA: Water spray

HAZARDOUS COMBUSTION PRODUCTS: Cool containers exposed to flames with water until well after the fire is out.

OTHER CONSIDERATIONS: Do not use carbon dioxide or other gas-filled fire extinguishers; they will have no effect on decomposing persulfates.

FIRE FIGHTING PROCEDURES: In case of fire and/or explosion, do not breathe fumes. Move containers from fire area if can do so without risk. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

FIRE FIGHTING EQUIPMENT: Firefighters must be standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

HAZARDOUS DECOMPOSITION PRODUCTS: During fire, gases hazardous to health may be formed. Will release oxygen when heated, intensifying a fire. Acidic mist may be present; self contained breathing apparatus should be used.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Sweep up material and place in a disposal container without raising dust. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Prevent entry into waterways, sewers or confined areas.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid discharge into drains, water courses or onto the ground.

SPECIAL PROTECTIVE EQUIPMENT: Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the

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exposure limits. Wear a dust mask if dust is generated above exposure limits. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust from the spilled material. Ensure adequate ventilation.

7. HANDLING AND STORAGE

HANDLING: Keep away from heat/sparks/hot surfaces. No smoking. Take any precaution to avoid mixing with combustibles. Do not breathe dust. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Avoid prolonged exposure. Provide adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Practice good housekeeping.

STORAGE: Store locked up. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Store in corrosive resistant container with a resistant inner liner. Keep only in the original container. Store in a cool, dry place out of reach of direct sunlight. Keep containers tightly closed in a dry, cool, well-ventilated place. Store away from incompatible materials. Do not store near combustible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Potassium Monopersulfate Compound	OSHA PEL	TWA	[1]	[1]
	ACGIH TLV	TWA	[1]	[1]
	Supplier OEL	TWA	[2]	1 mg/m [2]
Sodium Carbonate	OSHA PEL	TWA	[3]	[3]
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL
Potassium Peroxydisulfate	ACGIH TLV	TWA	[4]	0.1 [4]
	Supplier OEL	TWA	[5]	10 [5]
Footnotes: 1. Not established. 2. 8 & 12 hr. TWA 3. NL = Not Listed 4. TWA as persulfate. 5. 8 hr. TWA				

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles and face shield.

RESPIRATORY: A NIOSH-approved air purifying respirator with an appropriate particulate cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air-supplied respirator if there is any potential of an uncontrolled release, if exposure levels are not know, or any other circumstances where air purifying respirators may not provide adequate protection.

PROTECTIVE CLOTHING: Rubber gloves

WORK HYGIENIC PRACTICES:

The usual precautionary measures for handling chemicals should be followed.
 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

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PHYSICAL STATE: Granular

ODOR: Odorless

APPEARANCE: Granules, Powder

COLOR: White

pH: 7 to 8

FLASHPOINT AND METHOD: Not Available

DECOMPOSITION TEMPERATURE: Not Available

SOLUBILITY IN WATER: Not Available

SPECIFIC GRAVITY: Not Available

10. STABILITY AND REACTIVITY

REACTIVITY: Do not mix with other chemicals.

STABILITY: Stable under dry and normal conditions.

CONDITIONS TO AVOID: Keep away from heat, sparks or open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: May include and are not limited to: Sulfur oxides. Oxygen.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: > 2000 mg/kg, 24 hours, ECHA

ORAL LD₅₀: 1287 mg/kg, Rat, ECHA

1204 mg/kg, Rat, ECHA

1129 mg/kg, Rat, ECHA

500 mg/kg, Rat, ECHA

INHALATION LC₅₀: Not Available

COMMENTS: This is solely the Toxicological Information for the main active ingredient, Potassium Monopersulfate Compound, CAS #: 70693-62-8

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Not expected to have significant environmental effects.

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: 300 mg/L (Bluegill Sunfish)

48-HOUR EC₅₀: 265 mg/L (Daphnia Magna)

96-HOUR EC₅₀: 298.6 mg/L (Water Flea)

ENVIRONMENTAL DATA: No data is available on the degradability of this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with applicable local, state and federal regulations. Avoid discharge into natural waters.

EMPTY CONTAINER: Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Solid, Acidic, Inorganic, N.O.S. (monopersulfate compound)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN3260

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PACKING GROUP: II

OTHER SHIPPING INFORMATION: Special Provisions: IB8, IP2, IP4, T3, TP33

Packing Exceptions: 154

Packaging Non-Bulk: 212

Packaging Bulk: 240

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: None

311/312 PHYSICAL HAZARDS: None

313 REPORTABLE INGREDIENTS: Not regulated.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not listed

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: Not listed

CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS): Not regulated.

CALIFORNIA PROPOSITION 65: California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

CLEAN WATER ACT: Not regulated.

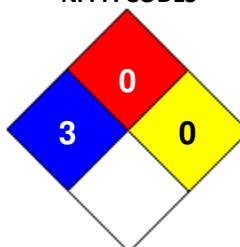
16. OTHER INFORMATION

Date Prepared: 01/03/2022

HMIS RATING

HEALTH	*	3
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION	X	

NFPA CODES



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