

SAFETY DATA SHEET

Date Issued : 09/12/2019

SDS No. : LH Rust & Scale Control 2019

Litehouse Rust & Scale Control

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Litehouse Rust & Scale Control**GENERAL USE:** Metal and Scale Control for Swimming Pools**DISTRIBUTOR**

Litehouse Pools & Spas

10883 Pearl Road, Suite 201

Strongsville, OH 44136

Product Stewardship: (440) 638-2350

2. HAZARDS IDENTIFICATION

GHS LABEL

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).



Corrosion

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H303: May be harmful if swallowed.

PRECAUTIONARY STATEMENT(S)**General:**

P501: Dispose of contents/container to ...

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P234: Keep only in original packaging.

P264: Wash ... thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
1,2,4 Butanetricarboxylic Acid, 2-phosphono-	Proprietary	37971-36-1
Phosphonic Acid, (1-hydroxyethylidene)bis-	Proprietary	2809-21-4
Other Non-Hazardous Ingredients	Proprietary	-----

4. FIRST AID MEASURES

EYES: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. See a doctor immediately.

SKIN: Remove contaminated clothing. Wash affected area with soap and plenty of water. Wash clothing before reuse. If irritation persists, seek medical attention.

INGESTION: DO NOT INDUCE VOMITING. Give 1 or 2 glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Immediately move person to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek immediate medical treatment.

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5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, water, water fog, dry chemical, chemical foam.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, phosphoric acid, and other unidentified combustion products.

FIRE FIGHTING EQUIPMENT: Firefighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: For spills, implement cleanup procedures.

LARGE SPILL: Avoid skin and eye contact with liquid. Soak up material and shovel into a chemical waste container. Remove container from work area.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Prevent additional discharge of material, if possible to do so without hazard. Request all to stay clear. This material is water soluble/dispersible, and may not be recoverable.

LAND SPILL: Prevent additional discharge of material, if possible to do so without hazard. Warn occupants and downwind areas of corrosive release hazard and request all to stay clear.

GENERAL PROCEDURES: Contain spilled liquid with sand or earth. Recover by pumping or with suitable absorbent.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep containers closed. Open container carefully and handle with care. Store in a cool, well-ventilated place away from incompatible materials. Do NOT pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers.

STORAGE: Corrosive to most metals, including carbon steel, aluminum/aluminum alloys and copper /copper alloys.

STORAGE TEMPERATURE: Ambient.

STORAGE PRESSURE: Atmospheric

COMMENTS: Avoid contact with strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
	EXPOSURE LIMITS			
Chemical Name	Type		ppm	mg/m ³
Phosphonic Acid, (1-hydroxyethylidene)bis-	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	NL
		STEL	NL	NL

Footnotes:

1. NL = Not Listed

ENGINEERING CONTROLS: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles and face shield.

SKIN: Chemical-resistant gloves.

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RESPIRATORY: When misting may occur, a NIOSH/MSHA approved respirator approved for the material and level of exposure may be used.

PROTECTIVE CLOTHING: Wear appropriate chemical resistant clothing.

WORK HYGIENIC PRACTICES: Even though this material is not classified as hazardous according to US OSHA's 2012 Hazard Communication Standard, good hygiene and safety practices should be followed. Good hygiene practices include but are not limited to: wearing suitable gloves and/or eye protection; washing hands and affected skin immediately after handling, before breaks, and at the end of the workday; regularly cleaning work area and clothing; etc.

OTHER USE PRECAUTIONS: An eye wash and safety shower should be provided in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

COLOR: Light Yellow

pH: < 2 (10% aqueous)

PERCENT VOLATILE: 50

VAPOR DENSITY: No data available

SOLUBILITY IN WATER: 100%

SPECIFIC GRAVITY: 1.28 g/m3

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: None Expected.

STABILITY: Stable under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, phosphoric acid and other unidentified combustible products.

INCOMPATIBLE MATERIALS: Steel, strong bases, strong oxidizers and strong alkali.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL LD₅₀: > 2000 mg/kg - Rat

SKIN CORROSION/IRRITATION: Hazardous in case of contact. Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or occasional blistering.

SERIOUS EYE DAMAGE/IRRITATION: Very hazardous in case of eye contact. Inflammation of the eye is characterized by redness, watering and itching.

RESPIRATORY OR SKIN SENSITISATION: May be harmful if inhaled. Effects will depend upon solution strength and length of exposure time.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product is completely water soluble. Due to this, care should be taken to minimize release of undiluted product into the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

EMPTY CONTAINER: Do not reuse empty container.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquid, Acidic, Organic, N.O.S. (Phosphonic acids)

PRIMARY HAZARD CLASS/DIVISION: 8

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UN/NA NUMBER: UN 3265

PACKING GROUP: II

REPORTABLE QUANTITY (RQ) UNDER CERCLA: None

OTHER SHIPPING INFORMATION: DOT exception 173.154 - this product qualifies as a Limited Quantity when inner packaging does not exceed 0.3 gallons.

15. REGULATORY INFORMATION

UNITED STATES

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

CALIFORNIA PROPOSITION 65: This product does not contain any Proposition 65 chemicals.

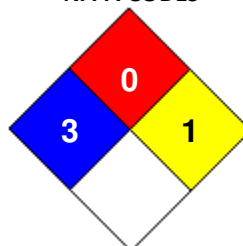
16. OTHER INFORMATION

Date Prepared: 09/12/2019

HMIS RATING

HEALTH		3
FLAMMABILITY		0
PHYSICAL HAZARD		1
PERSONAL PROTECTION		

NFPA CODES



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