

SAFETY DATA SHEET

Date Issued : 01/03/2022

SDS No. : LH Alum Floc

Litehouse Pools & Spas Alum Floc

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Litehouse Pools & Spas Alum Floc**GENERAL USE:** Filter Aid**DISTRIBUTOR**

Litehouse Pools & Spas
10883 Pearl Road, Suite 201
Strongsville, OH 44136

Product Stewardship: (440) 638-2350

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Corrosive to Metals, Category 1
Eye Damage, Category 1

GHS LABEL

The product is classified and labeled according to the Globally Harmonized System (GHS).



Corrosion

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H318: Causes serious eye damage.
H290: May be corrosive to metals.

PRECAUTIONARY STATEMENT(S)**General:**

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.
P310: Immediately call a POISON CENTER/doctor/...
P234: Keep only in original packaging.
P406: Store in a corrosion resistant/...container with a resistant inner liner.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Trade Secret	40 - 60	Trade Secret
Trade Secret	40 - 60	Trade Secret

4. FIRST AID MEASURES

EYES: Protect unharmed eye. Remove contact lenses, if worn. Rinse opened eye for several minutes under running water, then consult a doctor.**SKIN:** Brush off loose particles from skin. Rinse with warm water. Seek medical treatment in case of complaints.**INGESTION:** Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.**INHALATION:** Supply fresh air; consult a doctor in case of complaints.**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

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EYES: Causes serious eye irritation.

SKIN: Slight irritant effect on skin and mucous membranes.

INGESTION: Gastric or intestinal disorders when ingested.

INHALATION: Coughing. May cause respiratory irritation.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: This product is not flammable.

EXTINGUISHING MEDIA: Use fire fighting measures that suit the environment.

HAZARDOUS COMBUSTION PRODUCTS: Formation of toxic gases is possible during heating or fire.

FIRE FIGHTING EQUIPMENT: Wear self-contained respiratory protective device. Wear fully protective suit.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Sweep up and place into an appropriate container. Send for recovery or disposal in suitable receptacles.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

GENERAL PROCEDURES: ensure adequate ventilation. Use personal protective equipment as required. Avoid formation of dust. Avoid breathing dust.

7. HANDLING AND STORAGE

HANDLING: Use only in well ventilated areas. Open and handle receptacle with care. Prevent formation of dust. Avoid breathing dust. Keep out of reach of children.

STORAGE: Use only receptacles specifically permitted for this substance/product. Store in cool, dry conditions in well sealed receptacles. Storage area should be dry and well-ventilated. Store away from foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
	EXPOSURE LIMITS			
Chemical Name	Type		ppm	mg/m³
Trade Secret	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: This product does not contain any relevant quantities of materials with critical values that have to be monitored.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses recommended.

RESPIRATORY: None required when adequate ventilation is maintained.

PROTECTIVE CLOTHING: Impervious gloves and protective clothing to prevent skin contact.

WORK HYGIENIC PRACTICES: Keep away from foodstuffs, beverages and feed. Avoid contact with eyes and skin. Immediately remove all soiled

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and contaminated clothing. Wash hands before breaks and at the end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Powder

ODOR: Slight sulphurous

ODOR THRESHOLD: Not Determined.

COLOR: White to off-white

pH: Acidic

FLASHPOINT AND METHOD: Not Applicable

EXPLOSION LIMITS: Non-flammable.

AUTOIGNITION TEMPERATURE: Not Determined.

VAPOR PRESSURE: Not Applicable.

BOILING POINT: Not Determined.

MELTING POINT: 177°C (350.6°F) to 205°C (401°F)

DECOMPOSITION TEMPERATURE: Not Determined.

SOLUBILITY IN WATER: Fully soluble.

PARTITION COEFFICIENT: N-OCTANOL/WATER: Not Determined.

EVAPORATION RATE: Not Applicable.

DENSITY: 1.2-2.2

10. STABILITY AND REACTIVITY

REACTIVITY: No relevant information available.

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Dust formation.

POSSIBILITY OF HAZARDOUS REACTIONS: Toxic fumes may be released if heated above the decomposition point. Reacts with strong alkali.
Reacts with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: No decomposition if used according to specifications. No dangerous decomposition products known.

INCOMPATIBLE MATERIALS: Alkalies, metals

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL LD₅₀: 2490 mg/kg - Rat

GERM CELL MUTAGENICITY: Based on available data, the classification criteria are not met.

CARCINOGENICITY

NOTES: Based on available data, the classification criteria are not met.

REPRODUCTIVE TOXICITY: Based on available data, the classification criteria are not met.

STOT-SINGLE EXPOSURE: Based on available data, the classification criteria are not met.

STOT-REPEATED EXPOSURE: Based on available data, the classification criteria are not met.

ASPIRATION HAZARD: Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: 70.3 mg/l (Pimephales promelas)

48-HOUR EC₅₀: 71.6 mg/L (Daphnia Magna)

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96-HOUR EC₅₀: 48 mg/L *Desmodesmus subspicatus*)**GENERAL COMMENTS:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)**PROPER SHIPPING NAME:** Sulphamic Acid, Mixture**PRIMARY HAZARD CLASS/DIVISION:** 8**UN/NA NUMBER:** UN2967**PACKING GROUP:** III**LABEL:** Corrosive**MARINE POLLUTANT #1:** No.**OTHER SHIPPING INFORMATION:** Segregation groups: Acids**NOTE:** Limited Quantity for packages less than 30kg gross and inner packagings less than 5kg each.**ROAD AND RAIL (ADR/RID)****PROPER SHIPPING NAME:** Sulphamic Acid, Mixture**UN NUMBER:** UN2967**KEMLER NUMBER:** 80**HAZARD CLASS:** 8 (C2)**PACKING GROUP:** III**LIMITED QUANTITY:** Y**LABEL:** Warning: Corrosive substances**NOTE:** Limited Quantity for packages less than 30kg gross and inner packagings less than 5kg each.**AIR (ICAO/IATA)****SHIPPING NAME:** Sulphamic Acid, Mixture**UN/NA NUMBER:** UN2967**PRIMARY HAZARD CLASS/DIVISION:** 8**PACKING GROUP:** III**LABEL:** 8**NOTE:** Limited Quantity for packages less than 30kg gross and inner packagings less than 1kg each / 5kg net.**VESSEL (IMO/IMDG)****SHIPPING NAME:** Sulphamic Acid, Mixture**UN/NA NUMBER:** UN2967**PRIMARY HAZARD CLASS/DIVISION:** 8**PACKING GROUP:** III**LIMITED QUANTITY:** Y**EmS:** F-A,S-B**LABEL:** 8**NOTE:** Limited Quantity for packages less than 30kg gross and inner packagings less than 5kg each.

15. REGULATORY INFORMATION

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UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: None of the ingredients are listed.

313 REPORTABLE INGREDIENTS: None of the ingredients are listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

CALIFORNIA PROPOSITION 65: None of the ingredients are listed.

CARCINOGEN: None ingredients are listed.

16. OTHER INFORMATION

Date Prepared: 01/03/2022

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