

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Bromine Booster

Life Spa & Hot Tub Essentials Bromine Booster

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Life Spa & Hot Tub Essentials Bromine Booster
GENERAL USE: Bromine Enhancer.

DISTRIBUTOR

Alliance Trading, Inc.
109 North Park Blvd., 4th Floor
Covington, LA 70433

24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS LABEL

This product is not classified as hazardous according to the Globally Harmonized System (GHS)

PRECAUTIONARY STATEMENT(S)

General:

8219D4CW: This product is not classified as hazardous according to the Globally Harmonized System.

POTENTIAL HEALTH EFFECTS

INGESTION: May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sodium Bromide	99	7647-15-6

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. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTES TO PHYSICIAN: Treat symptomatically. No specific antidote available. Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not combustible.

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

FIRE FIGHTING PROCEDURES: Cool containers with water spray. In closed stores, provide fire-fighters with self-contained breathing apparatus in positive pressure mode.

HAZARDOUS DECOMPOSITION PRODUCTS: Will decompose from 800 deg C releasing poisonous and corrosive fumes of hydrogen bromide and sodium oxide.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Sweep up and place in bag. Hold for waste disposal or possible re-use. Ventilate area and wash spill site after material pickup is complete.

RELEASE NOTES: Prevent entry into sewers and watercourses.

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SPECIAL PROTECTIVE EQUIPMENT: Use dust respirator, rubber gloves and chemical safety goggles.

COMMENTS: Avoid raising dust.

7. HANDLING AND STORAGE

HANDLING: Avoid bodily contact. Keep containers tightly closed.

STORAGE: Store in a cool, dry, well-ventilated area away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Sodium Bromide	OSHA PEL	TWA	[1]	[1]
	ACGIH TLV	TWA	[1]	[1]

Footnotes:

1. Not established.

ENGINEERING CONTROLS: Use with adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical goggles.

SKIN: Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

RESPIRATORY: In case of significant or accidental dust emissions, dust mask should be worn.

PROTECTIVE CLOTHING: Body covering clothes and boots.

WORK HYGIENIC PRACTICES: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands thoroughly before eating or smoking. Safety shower and eye bath should be provided.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: None.

APPEARANCE: White crystalline granules

pH: Not Available

FLASHPOINT AND METHOD: Not Flammable

EXPLOSION LIMITS: Non-flammable.

VAPOR PRESSURE: 1 mm Hg @ 806 deg C

VAPOR DENSITY: N/A

BOILING POINT: 1390°C

FREEZING POINT: N/A

MELTING POINT: 755°C

SOLUBILITY IN WATER: 94.6 g / 100 ml @ 25 deg C

SPECIFIC GRAVITY: 3.203

10. STABILITY AND REACTIVITY

REACTIVITY: Reacts explosively with bromine trifluoride.

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HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable under normal conditions. The powder tends to cake under normal storage conditions.

CONDITIONS TO AVOID: Heating above decomp temperature of 800 deg C.

POSSIBILITY OF HAZARDOUS REACTIONS: Not expected to occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen bromide and sodium oxide. Bromine fumes.

INCOMPATIBLE MATERIALS: Strong acids, strong oxidants, heavy metal salts.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: > 2000 mg/kg - Rabbit

ORAL LD₅₀: 4200 mg/kg - Rat

GERM CELL MUTAGENICITY: Does not induce DNA repair in cultured human epitheliod cells. Not clastogenic in human lymphocytes metaphase analysis. Not mutagenic by the Ames test.

REPRODUCTIVE TOXICITY: Sodium bromide has been shown to cause embryo-fetal toxicity and malformations in rats at dose levels which also produce maternal toxicity. The No-Observed Effect Level (NOEL) is 100 mg/kg per day, and the acceptable daily intake (ADI) for sodium bromide from food and drinking water in humans is 1 mg/kg per day. Comparable high doses of sodium chloride (table salt) similarly cause malformation, embryo-fetal toxicity, and maternal toxicity in mice.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: > 1000 mg/L (Rainbow Trout)

48-HOUR EC₅₀: > 1000 mg/L (Daphnia Magna)

BIOACCUMULATION/ACCUMULATION: This product is not expected to bioaccumulate.

ENVIRONMENTAL DATA: Sodium bromide is an inorganic salt, which fully dissociates in aquatic environment to bromide and sodium ions. It also undergoes degradation in soil to bromide ion (no further degradation or biodegradation will occur.)

GENERAL COMMENTS: Avian Toxicity: Oral LD50 >2250 mg/kg (Bobwhite Quail)

Dietary LC50 >5633 ppm (Mallard Duck)

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: No reportable chemicals.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

16. OTHER INFORMATION

Date Prepared: 07/25/2022

MANUFACTURER DISCLAIMER: Although reasonable care has been taken in the preparation of this document, we extend no warranties and

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make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

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Life Spa & Hot Tub Essentials Brominating Tabs

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Life Spa & Hot Tub Essentials Brominating Tabs
GENERAL USE: Spa Sanitizer
CHEMICAL FAMILY: Halogenated Hydantoin

DISTRIBUTOR

Alliance Trading, Inc.
 109 North Park Blvd., 4th Floor
 Covington, LA 70433

24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 4
 Skin Sensitization, Category 1
 Skin Corrosion, Category 1B

Environmental:

Acute Hazards to the Aquatic Environment, Category 1

GHS LABEL



Corrosion



Environment



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H302: Harmful if swallowed.
 H314: Causes severe skin burns and eye damage.
 H317: May cause an allergic skin reaction.
 H400: Very toxic to aquatic life.

PRECAUTIONARY STATEMENT(S)

Prevention:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P304+P340: IF INHALED: Remove person to fresh air and keep 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.
 P310: Immediately call a POISON CENTER/doctor/...
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P391: Collect spillage.
 P264: Wash ... thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P405: Store locked up.
 P501: Dispose of contents/container to ...
 P362+P364: Take off contaminated clothing and wash it before reuse.

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HAZARDS NOT OTHERWISE CLASSIFIED: May form combustible dust concentrations in air. contact with water liberates toxic gas.
EUH031: Contact with acids liberates toxic gas.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Bromo-chloro-5, 5-dimethylhydantoin	94 - 98	32718-18-6

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. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: causes serious eye damage

SKIN: Causes severe skin burns. Exposure to wet skin may cause burns.

SKIN ABSORPTION: May cause an allergic skin reaction

INGESTION: Harmful if swallowed

INHALATION: Irritant to upper respiratory tract. Shortness of breath, headache, and nausea.

NOTES TO PHYSICIAN: Corrosive. No specific antidote. In case of ingestion, DO NOT induce vomiting. Treat symptomatically and supportively. Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry powder, carbon dioxide or water spray. Water may be ineffective. In case of exothermic decomposition and appearance of smoke, water should be used to suppress it. DO NOT use dry chemical extinguisher containing ammonia compounds.

EXPLOSION HAZARDS: Forms explosive mixtures with combustible, organic or other easily oxidizable materials. When heated to decomposition, may release poisonous and corrosive fumes. Dust may form a weak explosive mixture with air (class St1), but is not sensitive to ignition from electrostatic discharges.

FIRE FIGHTING PROCEDURES: Cool containers with water spray. In closed stores, provide fire-fighters with self-contained breathing apparatus in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Evacuate area. Use respirator with combined filter (inorganic gas and dust), gloves, chemical safety goggles and body covering clothes. If material is decomposing, use self-contained breathing apparatus and a fully encapsulated suit. ENVIRONMENTAL

PRECAUTIONS: Prevent entry into sewers and watercourses.

RELEASE NOTES: Sweep up, place in a suitable container and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete.

SPECIAL PROTECTIVE EQUIPMENT: Use respirator with combined filter (inorganic gas and dust), gloves, chemical safety goggles and body covering clothes. If material is decomposing, use self-contained breathing apparatus and a fully encapsulated suit.

7. HANDLING AND STORAGE

HANDLING: Keep container tightly closed when not in use. Avoid contact with skin, eyes and clothing.

STORAGE: Keep away from all sources of ignition. Recommended storage temperature below 30°C. For transportation purposes, it is possible to store at temperatures up to 50°C. Store in a dry, well-ventilated area. Store away from incompatible materials (see "materials to avoid").

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

Chemical Name	EXPOSURE LIMITS		
	Type	ppm	mg/m ³
Bromo-chloro-5, 5-dimethylhydantoin	OSHA PEL	TWA	N/E
	ACGIH TLV	TWA	N/E

ENGINEERING CONTROLS: Use local exhaust as necessary, especially under dusty conditions. Ventilation must be sufficient to maintain atmospheric concentration below recommended exposure limit.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical safety goggles.

SKIN: Wear neoprene gloves and body covering clothes and boots.

RESPIRATORY: Respirator with combined filter (inorganic gas and dust).

WORK HYGIENIC PRACTICES: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands thoroughly before eating or smoking. Safety shower and eye bath should be provided.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: Faint halogenous odor

APPEARANCE: White to off-white tablet

FLASHPOINT AND METHOD: Not Applicable

EXPLOSION LIMITS: Not Available

AUTOIGNITION TEMPERATURE: Not Available

VAPOR PRESSURE: 9.35x10⁽⁻³⁾ Pa (25°C)

VAPOR DENSITY: Not applicable under standard conditions

BOILING POINT: Not Applicable

MELTING POINT: Not applicable (decomposes)

DECOMPOSITION TEMPERATURE: > 160°C

SOLUBILITY IN WATER: .22 g/100ml at 25°C

PARTITION COEFFICIENT: N-OCTANOL/WATER: Kow = <1 (pH 5-9)

EVAPORATION RATE: Not applicable under standard conditions

SPECIFIC GRAVITY: 1.8 to 2.0

OXIDIZING PROPERTIES: Not sufficient for classification as oxidizer (Method A17 & UN Test 0.1)

10. STABILITY AND REACTIVITY

REACTIVITY: No reactions known.

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Exposure to moisture. Heating above decomposition temperature.

POSSIBILITY OF HAZARDOUS REACTIONS: Contact with combustible materials may initiate decomposition of the material and emission of smoke.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, HBr, Cl₂, NO_x, HCl, CO₂

INCOMPATIBLE MATERIALS: Oxidizing agents, bases, and combustible organic materials.

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11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL LD₅₀: 929 mg/kg - Rat

SKIN CORROSION/IRRITATION: Corrosive

SERIOUS EYE DAMAGE/IRRITATION: Corrosive (expected)

RESPIRATORY OR SKIN SENSITISATION: Sensitizer

GERM CELL MUTAGENICITY: Mutagenic by the Ames Test. Mutagenic in the mouse lymphoma L5178Y test system. Non genotoxic in an in-vivo in micronucleous test in mice. Non genotoxic in an in-vivo liver unscheduled DNA synthesis (USD) assay.

CARCINOGENICITY

IARC: Not classified as a carcinogen.

NOTES: Not included in NTP 14th Report on Carcinogens.

STOT-SINGLE EXPOSURE: No effects on specific target organs have been identified.

STOT-REPEATED EXPOSURE: No effects on specific target organs have been identified.

ASPIRATION HAZARD: Not expected to occur.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: BCDMH and the main degradation product DMH are biodegradable and do not persist in the environment.

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: 1.2 mg/l (eastern oyster, Acute flow through)

1.9 mg/l (Mysid shrimp, Acute flow through)

0.4 mg/l (Rainbow trout, Static)

0.46 mg/l (Bluegill sunfish, Static)

1.6 mg/l (Sheepshead minnow, Acute flow through)

48-HOUR EC₅₀: 0.75 mg/l (Static) (Daphnia Magna)

BIOACCUMULATION/ACCUMULATION: Based on low Kow values, i.e. less than 1, BCDMH would not be predicted to significantly accumulate in aquatic organisms, or absorb to organic material in soil or sediment.

GENERAL COMMENTS: Mobility in soil: There will be no exposure of BCDMH to soil. The main degradation product, DMH, is mobile in soil.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in approved landfill sites or an approved incinerator. Avoid access to streams, lakes or ponds. Observe all federal, state and local environmental regulations when disposing of this material.

EMPTY CONTAINER: Crush and bury empty containers. Do NOT throw into public waste disposal site. Avoid contact with organic materials and moisture. See conditions to avoid in Section 10.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Oxidizing Solid, Corrosive, N.O.S. (Bromochloro-5, 5-Dimethylhydantoin)

PRIMARY HAZARD CLASS/DIVISION: 5.1

SECONDARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 3085

PACKING GROUP: III

LABEL: Oxidizing Agent (5.1) and Corrosive (8)

MARINE POLLUTANT #1: Yes

AIR (ICAO/IATA)

SHIPPING NAME: Oxidizing Solid, Corrosive, N.O.S. (Bromochloro-5, 5-Dimethylhydantoin)

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Life Spa & Hot Tub Essentials Brominating Tabs

UN/NA NUMBER: 3085

PRIMARY HAZARD CLASS/DIVISION: 5.1

SECONDARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

PLACARDS: Environmentally hazardous substance

LABEL: Oxidizing agent (5.1) and Corrosive (8)

VESSEL (IMO/IMDG)

SHIPPING NAME: Oxidizing Solid, Corrosive, N.O.S. (Bromochloro-5, 5-Dimethylhydantoin)

UN/NA NUMBER: 3085

PRIMARY HAZARD CLASS/DIVISION: 5.1

SECONDARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

MARINE POLLUTANT #1: Yes

LABEL: Oxidizing agent (5.1) and Corrosive (8)

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Oxidizing

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: This product is a hazardous chemical under 29CFR 1910.1200 and is categorized as an IMMEDIATE, DELAYED HEALTH and REACTIVITY physical hazard.

313 REPORTABLE INGREDIENTS: This product does not contain a chemical listed at or above de minimis concentrations.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not listed.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): 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. Below you will find the hazard information that is required on the EPA pesticide label.

GENERAL COMMENTS: HAZARD INFO FOUND ON BROMINATING TABS EPA LABEL:

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Eye contact may cause loss of vision. Harmful if inhaled. Irritating to nose and throat. Harmful if absorbed through skin or swallowed. This product is toxic to fish and aquatic organisms. Strong oxidizing agent.

16. OTHER INFORMATION

Date Prepared: 07/25/2022

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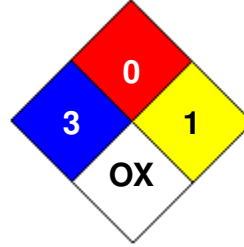
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HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES



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SDS No. : Life Metal Out

Life Spa & Hot Tub Essentials Metal Out

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Life Spa & Hot Tub Essentials Metal Out
GENERAL USE: Metal Control for Spas
PRODUCT DESCRIPTION: Stain and Scale Control for Swimming Pools

DISTRIBUTOR

Alliance Trading, Inc.
 109 North Park Blvd., 4th Floor
 Covington, LA 70433

24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS
Health:

Eye Irritation, Category 2B

GHS LABEL

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

SIGNAL WORD: WARNING
HAZARD STATEMENTS

H320: Causes eye irritation.

PRECAUTIONARY STATEMENT(S)
General:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P264: Wash ... thoroughly after handling.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
1,2,4 Butanetricarboxylic Acid, 2-phosphono-	< 0 - 10	-----
Proprietary Blend	> 0 - 90	-----

4. FIRST AID MEASURES

EYES: Remove contacts, if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

SKIN: Flush skin with water then wash with soap and water. Consult physician if irritation develops.

INGESTION: DO NOT induce vomiting. Drink large quantities of water. Consult a physician immediately. Never give anything by mouth to an unconscious person.

INHALATION: Supply fresh air; consult a doctor in case of complaints.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Causes eye irritation.

SKIN: Causes mild skin irritation.

INGESTION: Gastric or intestinal disorders when ingested.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Nonflammable

EXTINGUISHING MEDIA: Adapt extinguishing media to the environment.

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FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Towel or mop up material and collect in a suitable container.

LARGE SPILL: Add sawdust, chalk, or other inert binding material. Then sweep up and discard. 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.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep out of reach of children. Open and handle receptacle with care. Avoid contact with the eyes and skin. Avoid breathing mist, vapors or spray. Use only in well ventilated areas.

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

STORAGE: Store away from foodstuffs. Store away from metals. Unsuitable material for receptacle: Aluminum.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1919.133 or European Standard EN166.

RESPIRATORY: Use suitable respiratory protective device when aerosol or mist is formed.

PROTECTIVE CLOTHING: Impervious gloves, apron, or protective clothing.

WORK HYGIENIC PRACTICES: Keep away from foodstuffs, beverages and feed. Avoid contact with eyes and skin. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Not Determined.

ODOR THRESHOLD: Not Determined.

COLOR: Yellow

pH: 1.80 to 2.80

FLASHPOINT AND METHOD: Not Flammable

EXPLOSION LIMITS: Not Determined.

AUTOIGNITION TEMPERATURE: Not Determined

VAPOR PRESSURE: Not Determined.

VAPOR DENSITY: Not Applicable.

BOILING POINT: Not Determined.

MELTING POINT: Not Determined.

DECOMPOSITION TEMPERATURE: Not Determined.

SOLUBILITY IN WATER: Soluble

VISCOSITY: Not Applicable.

OXIDIZING PROPERTIES: Non-oxidizing

10. STABILITY AND REACTIVITY

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REACTIVITY: No relevant information available.

STABILITY: Stable at normal temperatures and pressures.

CONDITIONS TO AVOID: No further relevant information available.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes may be released if heated above the decomposition point. Reacts with alkali (lyes). Reacts with metals forming hydrogen.

Under fire conditions only:

Phosphorus oxides (e.g. P2O5)

Carbon monoxide and carbon dioxide

INCOMPATIBLE MATERIALS: Alkali (lyes)

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: Based on available data, the classification criteria are not met.

ORAL LD₅₀: Based on available data, the classification criteria are not met.

INHALATION LC₅₀: Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No further relevant information available.

BIOACCUMULATION/ACCUMULATION: No further relevant information available.

ENVIRONMENTAL DATA: No further relevant information available.

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

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL: 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: Not Regulated.

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not Regulated.

AIR (ICAO/IATA)

SHIPPING NAME: Not Regulated.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Regulated.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None of the ingredients are listed as carcinogens.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

SAFETY DATA SHEET

Date Issued : 07/25/2022

SDS No. : Life Metal Out

Life Spa & Hot Tub Essentials Metal Out

TSCA STATUS: All ingredients are listed.

16. OTHER INFORMATION

Date Prepared: 07/25/2022

MANUFACTURER DISCLAIMER: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Alkalinity & pH Down

Life Spa & Hot Tub Essentials Alkalinity & pH Down

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Life Spa & Hot Tub Essentials Alkalinity & pH Down
GENERAL USE: Alkalinity deceiver

DISTRIBUTOR

Alliance Trading, Inc.
109 North Park Blvd., 4th Floor
Covington, LA 70433

24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

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 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.

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Alkalinity & pH Down

Life Spa & Hot Tub Essentials Alkalinity & pH Down

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)

Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Sodium Bisulfate (Eye Dam. 1, H318)	OSHA PEL	TWA	ppm ^[1]	mg/m ³ ^[1]
		STEL	ppm	mg/m ³
	ACGIH TLV	TWA	ppm	mg/m ³
		STEL	ppm	mg/m ³
	Supplier OEL	TWA	NL ppm	NL mg/m ³
		STEL	NL ppm	NL mg/m ³

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.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Alkalinity & pH Down

Life Spa & Hot Tub Essentials Alkalinity & pH Down

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 conditions of storage and use, hazardous 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 LD₅₀: 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

DOT (DEPARTMENT OF TRANSPORTATION)

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Alkalinity & pH Down

Life Spa & Hot Tub Essentials Alkalinity & pH Down

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.

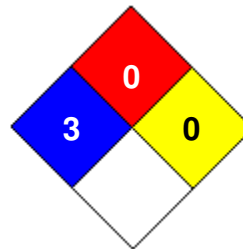
16. OTHER INFORMATION

Date Prepared: 07/25/2022

HMIS RATING

HEALTH	□	3
FLAMMABILITY	□	0
PHYSICAL HAZARD	□	0
PERSONAL PROTECTION	□	J

NFPA CODES



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SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Alkalinity & pH Up

Life Spa & Hot Tub Essentials Alkalinity & pH Up

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Life Spa & Hot Tub Essentials Alkalinity & pH Up
GENERAL USE: Alkalinity Increaser
GENERIC NAME: Sodium Bicarbonate; Sodium Hydrogen Carbonate

DISTRIBUTOR

Alliance Trading, Inc.
109 North Park Blvd., 4th Floor
Covington, LA 70433

24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS LABEL

Not a dangerous substance/mixture according to GHS standards

PRECAUTIONARY STATEMENT(S)

General:

8219D4CW: This product is not classified as hazardous according to the Globally Harmonized System.

CARCINOGENICITY: No known effects.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sodium Hydrogen Carbonate	100	144-55-8

4. FIRST AID MEASURES

EYES: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

INHALATION: Remove to fresh air. If symptoms occur, get medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CHRONIC EFFECTS: No known effect.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAME PROPAGATION OR BURNING RATE OF SOLIDS: Not flammable.

GENERAL HAZARD: No specific hazards.

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Prevent spill rinsate from contamination of storm drains, sewers, soil or groundwater.

GENERAL PROCEDURES: Scoop up into dry clean containers. Wash away uncontaminated residue with water.

COMMENTS: Avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Alkalinity & pH Up

Life Spa & Hot Tub Essentials Alkalinity & pH Up

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use with adequate ventilation.

STORAGE: Store in a cool, dry place away from acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Does not contain any hazardous materials with occupational exposure limits established. Local nuisance dusts apply.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields or goggles.

SKIN: Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

RESPIRATORY: A respirator or dust mask approved by NIOSH/MSHA should be worn when breathing zone cannot be controlled with ventilation.

PROTECTIVE CLOTHING: Body protective clothing and shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: None.

APPEARANCE: White crystalline.

pH: 8.3 (1% solution.)

FLASHPOINT AND METHOD: Not combustible.

LOWER EXPLOSION LIMIT: 0

UPPER EXPLOSION LIMIT: 0

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

BOILING POINT: N/A

FREEZING POINT: N/A

MELTING POINT: Decomposes

SOLUBILITY IN WATER: 96 g/l at 20°C

DENSITY: 66 lbs. per cubic foot.

SPECIFIC GRAVITY: 2.22

MOLECULAR WEIGHT: 84.01

10. STABILITY AND REACTIVITY

REACTIVITY: None under normal use conditions.

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable.

CONDITIONS TO AVOID: Heat, humidity, strong odors.

HAZARDOUS DECOMPOSITION PRODUCTS: Reacts with acids to release carbon dioxide gas and heat.

INCOMPATIBLE MATERIALS: Acids.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL LD₅₀: > 5000 mg/kg - Rat

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Alkalinity & pH Up

Life Spa & Hot Tub Essentials Alkalinity & pH Up

INHALATION LC₅₀: > 4.74 mg/L (rat) 4.5 hr.

RESPIRATORY OR SKIN SENSITISATION: Non-sensitizer.

GERM CELL MUTAGENICITY: Non-mutagenic.

CARCINOGENICITY

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

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Not expected to have significant environmental effects.

AQUATIC TOXICITY (ACUTE): Algae (*Nitzschia linearis*) EC50 = 650 mg/l 120 h

Daphnids EC50 = 2300 mg/l, 48 h

Bluegill LC50 = 8250 - 9000 mg/l

Rainbow Trout LC50 = 7700 mg/l

96-HOUR LC₅₀: 7100 mg/L (Bluegill Sunfish)

48-HOUR EC₅₀: 4100 mg/L (Daphnia Magna)

96-HOUR EC₅₀: 7700 mg/L (Rainbow Trout)

CHEMICAL FATE INFORMATION: Biodegradability does not apply to inorganic substances.

BIOACCUMULATION/ACCUMULATION: This product is not expected to bioaccumulate.

COMMENTS: Dissociates into ions.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

RCRA/EPA WASTE INFORMATION: This product is not considered a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA).

GENERAL COMMENTS: If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations.

14. TRANSPORT INFORMATION

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: Not regulated.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not regulated.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: Not hazardous.

REGULATIONS

STATE REGULATIONS: Not regulated.

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

16. OTHER INFORMATION

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Alkalinity & pH Up

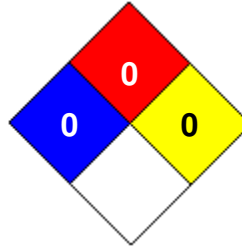
Life Spa & Hot Tub Essentials Alkalinity & pH Up

Date Prepared: 07/25/2022

HMIS RATING

HEALTH	<input type="checkbox"/>	0
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES



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SAFETY DATA SHEET

Date Issued : 07/25/2022
 SDS No. : Life Scale Defense

Life Spa & Hot Tub Essentials Scale Defense

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Life Spa & Hot Tub Essentials Scale Defense

GENERAL USE: Spa Descaler

DISTRIBUTOR

Alliance Trading, Inc.
 109 North Park Blvd., 4th Floor
 Covington, LA 70433

24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS LABEL

Corrosion

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.

H303: May be harmful if swallowed.

H290: May be corrosive to metals.

PRECAUTIONARY STATEMENT(S)**General:**

P234: Keep only in original packaging.

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

P264: Wash ... thoroughly after handling.

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

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P341: IF INHALED: If breathing is difficult, 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.

P501: Dispose of contents/container to ...

P262: Do not get in eyes, on skin, or on clothing.

POTENTIAL HEALTH EFFECTS

EYES: Corrosive. Causes eye burns and permanent tissue damage.

SKIN: Corrosive. Causes permanent skin damage.

INGESTION: Corrosive to mouth, esophagus and stomach.

INHALATION: Mist may be severely irritating to nose, throat and lungs depending upon concentration and duration of exposure.

CARCINOGENICITY: Not listed by NTP, IARC or OSHA.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Phosphonic Acid, (1-hydroxyethylidene)bis-	10 - 20	2809-21-4

COMMENTS: Proprietary blend. Ingredients in this section have been determined to be hazardous as defined by 29CFR 1910.1200.

4. FIRST AID MEASURES

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Scale Defense

Life Spa & Hot Tub Essentials Scale Defense

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Immediately wash with large amounts of water; use soap, if available. Remove contaminated clothing, including shoes, after washing has begun. Get immediate medical attention.

INGESTION: Do not induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get prompt medical attention. Do not attempt to give anything to an unconscious person.

If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor for breathing difficulty.

INHALATION: Immediately move the victim from exposure and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

FIRE FIGHTING PROCEDURES: Material will not burn. Containers can build up pressure if exposed to heat (fire). Use water spray to cool fire-exposed surfaces and to protect personnel.

FIRE FIGHTING EQUIPMENT: Firefighters should wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain spilled material with sand or earth. Recover by pumping or with suitable absorbent.

LARGE SPILL: Prevent additional discharge of material if able to do so without hazard. Warn downwind areas of corrosive release hazard. Advise authorities.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Prevent spill rinsate from contamination of storm drains, sewers, soil or groundwater.

GENERAL PROCEDURES: Material is water soluble/dispersible and may not be recoverable.

7. HANDLING AND STORAGE

HANDLING: Keep container closed. Both open and handle container with care. Store in a cool, well ventilated place away from incompatible materials.

Do not pressurize, cut or heat container. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

Chemical Name	EXPOSURE LIMITS			
	Type	ppm	mg/m ³	
Phosphonic Acid, (1-hydroxyethylidene)bis-	OSHA PEL	TWA	ppm ^[1]	mg/m ³ ^[1]
		STEL	ppm	mg/m ³
	ACGIH TLV	TWA	ppm	mg/m ³
		STEL	ppm	mg/m ³
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL

Footnotes:

1. NL = Not Listed

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Scale Defense

Life Spa & Hot Tub Essentials Scale Defense

ENGINEERING CONTROLS: Local exhaust.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles and face shield.

SKIN: Chemical-resistant gloves.

RESPIRATORY: Where overexposure by inhalation may occur; or other means of exposure reduction are not adequate, approved respirators may be necessary.

WORK HYGIENIC PRACTICES: Provide safety shower and eyewash station in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Faint.

APPEARANCE: Yellow Liquid.

pH: < 2.0

FLASHPOINT AND METHOD: > 100°C (212°F) TAG CC

EXPLOSION LIMITS: Non-flammable.

BOILING POINT: > 100°C

FREEZING POINT: < 0°C

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: 1.05 to 1.060

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Contact with common metals might produce flammable hydrogen gas.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of phosphorous and carbon; acids of phosphorous, phosphine, oxides of carbon, oxides of nitrogen.

INCOMPATIBLE MATERIALS: Strong oxidizers and strong alkalis.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL LD₅₀: 1800 mg/kg (mice)

NOTES: Listed amounts are for neat product.

STOT-SINGLE EXPOSURE: Neat product may cause damage to the following organs: blood, gastrointestinal tract, upper respiratory tract, skin, eyes, bones.

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS: Listed information is for neat product.

COMMENTS: LC50 = 527 mg/l 48 hours Daphnia magna

LC50 = 368 mg/l 96 hours Rainbow Trout

LC50 = 868 mg/l 96 hours Bluegill sunfish

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Scale Defense

Life Spa & Hot Tub Essentials Scale Defense

DOT (DEPARTMENT OF TRANSPORTATION)

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

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 3265

PACKING GROUP: III

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 1.3 gallons.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Hazard Categories: Health: Immediate (Acute) Health Hazard

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: No components of this product are present above the de minimus levels.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

RCRA STATUS: When disposed of, this product may be regulated as a RCRA Hazardous Waste with the characteristic of corrosivity due the pH of the neat material.

16. OTHER INFORMATION

Date Prepared: 07/25/2022

HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input type="checkbox"/>	

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SAFETY DATA SHEET

Date Issued : 07/25/2022

SDS No. : Life Foam Free

Life Spa & Hot Tub Essentials Foam Free

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Life Spa & Hot Tub Essentials Foam Free

GENERAL USE: Defoamer for Spas

DISTRIBUTOR

Alliance Trading, Inc.
109 North Park Blvd., 4th Floor
Covington, LA 70433

24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 5
Acute Toxicity (Inhalation), Category 5
Acute Toxicity (Dermal), Category 5

GHS LABEL

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H303 + H313 + H333: May be harmful if swallowed, in contact with skin or if inhaled.

PRECAUTIONARY STATEMENT(S)

Prevention:

P264: Wash ... thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P313: Get medical advice/attention.
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.
P302+P352: IF ON SKIN: Wash with plenty of water/...
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P309: IF exposed or if you feel unwell:
P332+P313: If skin irritation occurs: Get medical advice/attention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Siloxanes And Silicones, Di-me	< 5	63148-62-9
Polydimethylsiloxane, Silica Adduct	< 1	67762-90-7

4. FIRST AID MEASURES

EYES: Holding eyelids apart, flush with plenty of water for at least 20 minutes. If irritation persists, contact a physician.

SKIN: Flush skin with plenty of soap and water, removing contaminated clothing. If irritation persists, consult a physician.

INGESTION: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth. Contact a physician, medical facility or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

INHALATION: Immediately remove the affected person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Seek medical attention.

NOTES TO PHYSICIAN: None.

SAFETY DATA SHEET

Date Issued : 07/25/2022

SDS No. : Life Foam Free

Life Spa & Hot Tub Essentials Foam Free

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

EXPLOSION HAZARDS: May produce fumes of carbon dioxide and carbon monoxide.

FIRE FIGHTING EQUIPMENT: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid on vermiculite, floor absorbent or other absorbent material.

LARGE SPILL: Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

7. HANDLING AND STORAGE

HANDLING: Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using the toilet facilities. Promptly remove soiled clothing and wash before reuse. Shower after work using plenty of soap and water.

STORAGE: Store in a cool, dry, well-ventilated area away from incompatible materials. Do not freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Not required under normal conditions of use. However, if unusual operating conditions exist, then provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below PEL/TLV(s).

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: OSHA-approved safety glasses or goggles.

SKIN: Impervious, rubber or neoprene gloves.

RESPIRATORY: None required under normal product use conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)
Polydimethylsiloxane, Silica Adduct	600

PHYSICAL STATE: Homogeneous Solution

ODOR: Mild organic

COLOR: White to off-white

PHYSICAL STATE COMMENTS: Viscous liquid

pH: Not Established

PERCENT VOLATILE: less than 1%

FLASHPOINT AND METHOD: > (200°F)

VAPOR PRESSURE: < 1 mm Hg at (68°F)

VAPOR DENSITY: < 1 (Air=1)

BOILING POINT: > (212°F) 760 mmHg

FREEZING POINT: (32°F)

SOLUBILITY IN WATER: Dispersible

EVAPORATION RATE: Slower than Ethyl Ether

VISCOSITY #1: 1000 CPS

(VOC): 0

SAFETY DATA SHEET

Date Issued : 07/25/2022

SDS No. : Life Foam Free

Life Spa & Hot Tub Essentials Foam Free

COMMENTS: Liquid Density - 8.3 lbs/gal @ 77°F

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Product will not undergo hazardous polymerization.

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Excessive heat and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS: May form carbon dioxide, carbon monoxide and soot

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION**ACUTE TOXICITY**

DERMAL LD₅₀: > 5000 mg/kg - Rabbit

ORAL LD₅₀: > 10000 mg/kg - Rat

INHALATION LC₅₀: 0.139 mg/L (4 hour - rat)

SKIN CORROSION/IRRITATION: May cause skin irritation

SERIOUS EYE DAMAGE/IRRITATION: May cause slight irritation

RESPIRATORY OR SKIN SENSITISATION: Not Available

GERM CELL MUTAGENICITY: Not Available

CARCINOGENICITY

NOTES: Not Available

REPRODUCTIVE TOXICITY: Not Available

STOT-SINGLE EXPOSURE: Not Available

STOT-REPEATED EXPOSURE: Not Available

ASPIRATION HAZARD: Not Available

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE): Not Available

BIOACCUMULATION/ACCUMULATION: Not available.

GENERAL COMMENTS: Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Mobility in general: Not available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

PRODUCT DISPOSAL: Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Not Regulated.

LABEL: None known.

AIR (ICAO/IATA)

SHIPPING NAME: Not Regulated.

SAFETY DATA SHEET

Date Issued : 07/25/2022

SDS No. : Life Foam Free

Life Spa & Hot Tub Essentials Foam Free

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Regulated.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: None

311/312 PHYSICAL HAZARDS: None

313 REPORTABLE INGREDIENTS: None.

302/304 EMERGENCY PLANNING

THRESHOLD QUANTITY: None

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: None

CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS): Not Available

CALIFORNIA PROPOSITION 65: Not listed

CLEAN WATER ACT: Not Available

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): Not Available

16. OTHER INFORMATION

Date Prepared: 07/25/2022

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input checked="" type="checkbox"/>	X

ADDITIONAL MSDS INFORMATION: FDA/USDA/GRAS: Approved to use level not to exceed 200 ppm in food, 21 CFR 173.340 compliance and 21 CFR 184.1490

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SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Oxidizing Shock 80/20

Life Spa & Hot Tub Essentials Oxidizing Shock

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Life Spa & Hot Tub Essentials Oxidizing Shock
GENERAL USE: Oxidizer

DISTRIBUTOR

Alliance Trading, Inc.
109 North Park Blvd., 4th Floor
Covington, LA 70433

24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Acute Toxicity (Oral), Category 4
Skin Irritation, Category 2
Respiratory Sensitization, Category 1
Skin Sensitization, Category 1
Eye Damage, Category 1

GHS LABEL



Corrosion



Exclamation
mark



Health hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H318: Causes serious eye damage.
H315: Causes skin irritation.
H302: Harmful if swallowed.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317: May cause an allergic skin reaction.

PRECAUTIONARY STATEMENT(S)

General:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P270: Do not eat, drink or smoke when using this product.
P285: In case of inadequate ventilation wear respiratory protection.
P264: Wash ... thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P501: Dispose of contents/container to ...
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+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P302+P352: IF ON SKIN: Wash with plenty of water/...
P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P310: Immediately call a POISON CENTER/doctor/...
P330: Rinse mouth.
P362+P364: Take off contaminated clothing and wash it before reuse.

3. COMPOSITION / INFORMATION ON INGREDIENTS

SAFETY DATA SHEET

Date Issued : 07/25/2022

SDS No. : Life Oxidizing Shock 80/20

Life Spa & Hot Tub Essentials Oxidizing Shock

Chemical Name	Wt. %	CAS
Potassium Monopersulfate Compound	60 - 80	70693-62-8
Sodium Carbonate	10 - 20	497-19-8
Potassium Peroxydisulfate	< 5	7727-21-1

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: Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reuse.

INGESTION: DO NOT INDUCE VOMITING. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use extinguishing agent suitable for type of surrounding fire. Use water spray to cool unopened containers.

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

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

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Pick up mechanically. Send for recovery or disposal in suitable receptacles.

LARGE SPILL: Avoid formation of dust. Do not breathe dust. Ensure adequate ventilation. Use PPE as required.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow to enter sewers/ surface or ground water.

GENERAL PROCEDURES: Evacuate area. Use PPE.

7. HANDLING AND STORAGE

HANDLING: Use only in well-ventilated areas. Do not breathe dust. Avoid dust formation in confined areas. Avoid contact with skin and eyes. Keep away from heat and flame. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

STORAGE: Keep ignition sources away - Do not smoke. emergency cooling must be available in case of nearby fire. Keep respiratory protective device available. Any formation of dust which cannot be avoided must be regularly removed.

STORAGE TEMPERATURE: Store away from foodstuffs, reducing agents, flammable substances and metals. Do not store together with textiles. Protect from humidity and water. Keep containers tightly sealed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Oxidizing Shock 80/20

Life Spa & Hot Tub Essentials Oxidizing Shock

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			mg/m ³
	Type		ppm	
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

ENGINEERING CONTROLS: No relevant information available.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical safety glasses or goggles. Contact lenses should not be worn.

SKIN: Where there is potential for skin contact, wear impervious gloves, apron, pants and jacket.

RESPIRATORY: Wear a NIOSH approved respirator if levels above the exposure limits are possible.

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.

OTHER USE PRECAUTIONS: Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Granular

ODOR: Odorless

ODOR THRESHOLD: Not Determined.

APPEARANCE: White granular.

COLOR: White

pH: 8.2 to 9.2

FLASHPOINT AND METHOD: Not Applicable.

EXPLOSION LIMITS: Contact with combustible material may cause fire.

AUTOIGNITION TEMPERATURE: Not Determined.

VAPOR PRESSURE: Not Determined.

VAPOR DENSITY: Not Applicable.

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Oxidizing Shock 80/20

Life Spa & Hot Tub Essentials Oxidizing Shock

BOILING POINT: Not Determined.

MELTING POINT: Not Determined.

SOLUBILITY IN WATER: 297 to 357 g/l at 22°C (71.6°F)

EVAPORATION RATE: Not Applicable.

DENSITY: 19.61 at 20°C (68°F) 2.35 at 20°C (68°F)

VISCOSITY: Not Applicable.

(VOC): 1

OXIDIZING PROPERTIES: Contains oxidizing agent.

10. STABILITY AND REACTIVITY

REACTIVITY: No relevant information available.

HAZARDOUS POLYMERIZATION: No additional information available.

STABILITY: Stable under normal temperature and pressure.

CONDITIONS TO AVOID: Avoid excessive heat. Decomposes before melting. Reacts with reducing agents.

POSSIBILITY OF HAZARDOUS REACTIONS: Reacts with: Reducing agents, halogenated compounds, organic substances, strong acids and alkali, and various metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, Sulfur oxides (SO_x) and toxic metal oxide smoke.

INCOMPATIBLE MATERIALS: Reducing agents, strong acids and Alkalis

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL LD₅₀: 802 mg/kg - Rat

Notes: 7727-21-1 Dipotassium Peroxodisulphate.

SKIN CORROSION/IRRITATION: Not corrosive to skin per OECD 435 testing analysis. Irritant to skin and mucous membranes.

SERIOUS EYE DAMAGE/IRRITATION: Strong caustic effect.

RESPIRATORY OR SKIN SENSITISATION: May cause sensitisation by inhalation and skin contact.

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

CARCINOGENICITY

IARC: None of the ingredients are listed.

NTP: None of the ingredients are listed.

OSHA: None of the ingredients are listed.

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

ENVIRONMENTAL DATA: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Due to available data on eliminability/decomposition and bioaccumulation, potential prolonged term damage of the environment cannot be excluded.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal must be made according to official regulations. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Oxidizing Shock 80/20

Life Spa & Hot Tub Essentials Oxidizing Shock

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

MARINE POLLUTANT #1: No.

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not Regulated.

AIR (ICAO/IATA)

SHIPPING NAME: Not Regulated.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Regulated.

MARINE POLLUTANT #1: No.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Not 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: There are no chemicals present known to the State of California to cause cancer.

CANADA

DOMESTIC SUBSTANCE LIST (INVENTORY): All components are on the DSL or NDSL.

16. OTHER INFORMATION

Date Prepared: 07/25/2022

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SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Natural Clarifier

Life Spa & Hot Tub Essentials Natural Clarifier

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Life Spa & Hot Tub Essentials Natural Clarifier
GENERAL USE: Clarifier

DISTRIBUTOR

Alliance Trading, Inc.
109 North Park Blvd., 4th Floor
Covington, LA 70433

24 HR. EMERGENCY TELEPHONE NUMBERS

Chem-Tel 24-Hour Emergency # (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS LABEL

This product is not classified as hazardous according to the Globally Harmonized System (GHS)

PRECAUTIONARY STATEMENT(S)

General:

8219D4CW: This product is not classified as hazardous according to the Globally Harmonized System.

POTENTIAL HEALTH EFFECTS

INGESTION: May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %
Proprietary mixture. Non-hazardous according to the Globally Harmonized System.	100

4. FIRST AID MEASURES

EYES: Rinse opened eye for several minutes under running water.

SKIN: Generally the product does not irritate the skin.

INGESTION: If symptoms persist, contact a doctor.

INHALATION: Supply fresh air; consult a doctor in case of complaints.

NOTES TO PHYSICIAN: No further relevant information available.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: No further relevant information available.

EXTINGUISHING MEDIA: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

FIRE FIGHTING EQUIPMENT: No special measures required.

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

LAND SPILL: Dilute with plenty of water.

GENERAL PROCEDURES: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

SPECIAL PROTECTIVE EQUIPMENT: No special measures required.

7. HANDLING AND STORAGE

HANDLING: No special handling requirements.

STORAGE: No special requirements.

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Natural Clarifier

Life Spa & Hot Tub Essentials Natural Clarifier

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Goggles recommended during refilling.

SKIN: Impermeable and resistant gloves to the material.

RESPIRATORY: No respirator is required under normal conditions of use.

WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practices.

COMMENTS: This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Pungent.

APPEARANCE: Blue liquid.

pH: < 4.5

FLASHPOINT AND METHOD: Not Applicable

VAPOR PRESSURE: 23 hPa (17 mm Hg)

VAPOR DENSITY: N/A

BOILING POINT: 100°C (212°F)

FREEZING POINT: N/A

MELTING POINT: Undetermined.

SOLUBILITY IN WATER: Fully miscible.

DENSITY: Not Determined.

VISCOSITY: Not Determined

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Freezing temperatures or excess heat (for quality purposes).

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

INCOMPATIBLE MATERIALS: No further relevant information available.

11. TOXICOLOGICAL INFORMATION

RESPIRATORY OR SKIN SENSITISATION: Non-sensitizer.

CARCINOGENICITY

NOTES: Not classified as a carcinogen by NTP, IARC or OSHA.

COMMENTS: The product is not subject to classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to the information provided to us.

12. ECOLOGICAL INFORMATION

BIOACCUMULATION/ACCUMULATION: No further relevant information available.

ENVIRONMENTAL DATA: No further relevant information available.

GENERAL COMMENTS: Generally non-hazardous for water.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with all applicable regulations.

GENERAL COMMENTS: Smaller quantities can be disposed of with household waste.

SAFETY DATA SHEET

Date Issued : 07/25/2022
SDS No. : Life Natural Clarifier

Life Spa & Hot Tub Essentials Natural Clarifier

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Not listed

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Not Applicable

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All components are listed.

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

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): Not regulated.

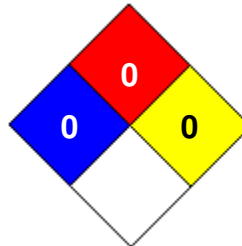
16. OTHER INFORMATION

Date Prepared: 07/25/2022

HMIS RATING

HEALTH	<input type="text"/>	0
FLAMMABILITY	<input type="text"/>	0
PHYSICAL HAZARD	<input type="text"/>	0
PERSONAL PROTECTION	<input type="text"/>	

NFPA CODES



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