

MATERIAL SAFETY DATA SHEET

MSDS



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Revision No: 2

Spa Essentials Spa Shock

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Spa Essentials Spa Shock**GENERAL USE:** Non-Chlorine Shock**CHEMICAL FAMILY:** Peroxygen Salt**MANUFACTURER**

Asepsis, Inc., A Chemtura Company

P.O. Box 1788

Suwanee GA 30024-0973

Product Stewardship: (877) 800-5553**Customer Care Number:** (800) 959-7946**24 HR. EMERGENCY TELEPHONE NUMBERS****Poison Control Center (Medical) :** (877) 800 - 5553**CHEMTREC (US Transportation) :** (800) 424 - 9300

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW**PHYSICAL APPEARANCE:** White, granular material**IMMEDIATE CONCERNS:** DANGER: CORROSIVE: Causes eye and skin burns. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Irritating to nose and throat. Avoid breathing dust.**POTENTIAL HEALTH EFFECTS****EYES:** DANGER: Corrosive. Causes eye burns. Do not get in eyes.**SKIN:** DANGER: Corrosive: Causes skin burns. Do not get on skin.**INGESTION:** Harmful if swallowed.**INHALATION:** Irritating to nose and throat. Avoid breathing dust or vapors.**SIGNS AND SYMPTOMS OF OVEREXPOSURE****CHRONIC EFFECTS:** This product contains a boron compound. This boron compound, when fed to test animals at very high doses, has shown reproductive and developmental toxicity. When this product is used according to label directions, the boron compound in this product does not represent a practical risk to man.**ROUTES OF ENTRY:** Skin Contact, Inhalation, Ingestion, Eye Contact.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Potassium Peroxymonosulfate	31	10058-23-8
Potassium Sulfate	20.9	7778-80-5
Potassium Bisulfate	16.6	7646-93-7
Potassium Peroxydisulfate	2.2	7727-21-1
Magnesium Carbonate	1.4	546-93-0
Sodium Tetraborate Pentahydrate	13.93	12179-04-3
Sodium carbonate	13.93	497-19-8

4. FIRST AID MEASURES

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

SKIN: If contact with skin: Remove excess chemical and flush skin with cold water for at least 15 minutes. If irritation persists, get medical attention.

INGESTION: If swallowed: Do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

INHALATION: If inhaled: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Applicable

GENERAL HAZARD: This product is not flammable or combustible.

EXTINGUISHING MEDIA: Water

HAZARDOUS COMBUSTION PRODUCTS: Will release oxygen when heated, intensifying a fire. Acidic mist may be present.

FIRE FIGHTING PROCEDURES: Exercise caution when fighting any chemical fire. A self-contained breathing apparatus and protective clothing are essential.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate protective clothing and safety equipment, contain spilled material. Keep spill out of sewers and open bodies of water. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place in clean dry plastic containers for disposal. Dispose of according to local, state, and federal regulations.

7. HANDLING AND STORAGE

HANDLING: STRONG OXIDIZING AGENT: Do not mix with any other chemicals, except water. Fire or explosion may result. Always add this product to water, never the reverse. Do not place this product in skimmer basket, pump pot, brominator, or chlorinator. Always apply directly into spa.

STORAGE: Keep this product in original closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not add any other product to container. Never return unused product to container; dispose of product in accordance with local, state, or federal regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Potassium Peroxymonosulfate	TWA	[1]	[1]			[2]	[2]
Potassium Sulfate	TWA	N/E [3]	[3]	N/E			
Potassium Bisulfate	TWA	N/E [4]	[4]	N/E			
Potassium Peroxydisulfate	TWA			[5]	[5]		
Magnesium Carbonate	TWA	[6]	[6]	[7]	[7]		
Sodium Tetraborate Pentahydrate	TWA		10 mg/m ³		1 mg/m ³		
Sodium carbonate	TWA	N/E [3]	[3]	N/E			
OSHA TABLE COMMENTS: 1. 15 mg/m ³ , 8 hr, total dust 2. 1 mg/m ³ , 8hr 3. N/E = Not Established 4. N/E = None Established 5. 0.1 mg/m ³ , 8 hr 6. 15 mg/m ³ , 8 hr., total dust 7. 10 mg/m ³ , 8 hr., total dust							

ENGINEERING CONTROLS: General room ventilation plus local exhaust should be used to maintain exposure below TLV.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear goggles or safety glasses with side shields when handling this product.

SKIN: Wear rubber gloves when handling this product. Avoid contact with skin.

RESPIRATORY: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

WORK HYGIENIC PRACTICES: If product gets on clothing, remove and wash before reuse.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: Odorless

APPEARANCE: Granules

COLOR: White

pH: 8.4 to 8.7

Notes: (1% solution)

VAPOR PRESSURE: Not Determined

VAPOR DENSITY: Not Determined

BOILING POINT: Not Applicable

MELTING POINT: Decomposes

FLASHPOINT AND METHOD: Not Applicable

SOLUBILITY IN WATER: 23.5 g / 100 g water @ 20 C

SPECIFIC GRAVITY: 1.100 to 1.4

10. STABILITY AND REACTIVITY

STABILITY: This product is stable under normal conditions.

POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

CONDITIONS TO AVOID: High temperature. Poor ventilation. Contamination. Moisture/high humidity.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxygen gas can be produced.

INCOMPATIBLE MATERIALS: Do not mix with other swimming pool/spa chemicals in their concentrated forms. Mixing with compounds containing halides or active halogens can cause release of the respective halogen if moisture is present. Mixing with cyanides can cause release of hydrogen cyanide gas. Mixing with heavy metal salts such as those of cobalt, nickel, copper, or manganese can cause decomposition with release of oxygen and heat.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: This product is corrosive to eyes.

SKIN EFFECTS: This product is corrosive to skin.

CARCINOGENICITY

IARC: This product is not listed as a carcinogen by IARC.

NTP: This product is not listed as a carcinogen by NTP.

OSHA: This product is not listed as a carcinogen by OSHA.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL: Dispose of unused, uncontaminated product in compliance with local, state and federal regulations.

EMPTY CONTAINER: Do not reuse container. Rinse thoroughly before discarding in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Solid, Acidic, Inorganic, N.O.S. (Monopersulfate Compound)

PRIMARY HAZARD CLASS/DIVISION: 8 (Corrosive)

UN/NA NUMBER: 3260

PACKING GROUP: II

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: This product or its components are not listed.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This product or its components are not listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sodium carbonate	497-19-8

TSCA REGULATORY: This product or its components are not subject to export notification.

TSCA STATUS: This product or its components are listed on the TSCA Inventory.

OSHA HAZARD COMM. RULE: Product is hazardous by definition of the Hazardous Communication Standard.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): This product is not a registered pesticide.

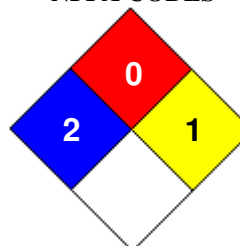
16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department

REVISION SUMMARY: Revision #: 2 This MSDS replaces the August 29, 2006 MSDS. Any changes in information are as follows: In Section 1 CHEMTREC MSDS 24 Hour Emergency Phone Numbers In Section 14 DOT Packing Group

HMIS RATING

HEALTH:	<input type="checkbox"/>	2
FLAMMABILITY:		0
PHYSICAL HAZARD:		1
PERSONAL PROTECTION:	B	

NFPA CODES

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