

1. Product and Company Identification

Product Name Mineraluxe™ pH+
CAS # 497-19-8
Product use pH Increaser for hot tubs

Supplier Mineraluxe™ c/o Backyard Brands, Inc.
401 S. Enterprise Blvd.
Lebanon, IN 46052 • 1-866-875-0012

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical): (877) 800 - 5553
CANUTEC (Canadian Transportation): (613) 996 - 6666
CHEMTREC (US Transportation): (800) 424 - 9300

NFPA RATING:

HEALTH	2
FIRE	0
REACTIVITY	0

HMIS RATING:

HEALTH:	/	2
FLAMMABILITY:		0
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:	B	

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

2. Hazards Identification

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: White, granular material.

IMMEDIATE CONCERNS: Causes severe eye irritation or chemical burns. Causes skin irritation. Harmful if swallowed. Avoid contact with eyes, skin and clothing. Wear goggles or safety glasses and rubber gloves when handling this product. May be irritating to nose and throat. Avoid breathing dust. If product gets on clothing, remove and wash before reuse. Do not mix with other chemicals.

POTENTIAL HEALTH EFFECTS

ROUTES OF EXPOSURE: Skin Contact, Inhalation, Ingestion, Eye Contact.

EYES: Causes severe eye irritation or chemical burns. May cause conjunctival edema and corneal destruction. Avoid contact with eyes.

SKIN: Causes skin irritation with blistering and redness. Avoid contact with skin.

INGESTION: Harmful if swallowed.

INHALATION: May be irritating to nose and throat. Excessive contact may cause damage to the nasal septum. Avoid breathing dust or vapours.

CHRONIC: There are no known chronic hazards.

COMMENTS HEALTH: There are no known chronic hazards.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Sodium Carbonate	497-19-8	100

4. First Aid Measures

First aid procedures

EYES: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a doctor for treatment advice.

SKIN: If on skin: Rinse skin immediately with plenty of water for 15-20 minutes. Get medical attention if irritation persists. Call a poison control center or doctor for treatment advice.

INGESTION: If swallowed: Call a 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 by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: If inhaled: Move person to fresh air. If person has stopped breathing, give artificial respiration, preferably mouth to mouth. Call poison control center or doctor for treatment advice.

NOTES TO PHYSICIAN: Consider endoscopy in all suspected cases of sodium carbonate poisoning. Perform blood analysis to determine if dehydration, acidosis or other electrolyte imbalances occurred.

5. Fire Fighting Measures

FLASHPOINT AND METHOD: Non-flammable.

GENERAL HAZARD: There are no unusual fire and explosion hazards known.

EXTINGUISHING MEDIA: This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.

HAZARDOUS COMBUSTION PRODUCTS: Product is not flammable or combustible

EXPLOSION HAZARDS: Not considered to be an explosion hazard.

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

FIRE FIGHTING PROCEDURES: Firefighters should wear full protective clothing and self-contained breathing apparatus (SCBA) appropriate for the surrounding fire.

FIRE FIGHTING EQUIPMENT: Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may product carbon monoxide and carbon dioxide.

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. 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, provincial and federal regulations.

7. Handling and Storage

GENERAL PROCEDURES: Avoid contact with eyes, skin or clothing. Avoid breathing dust.

HANDLING: Mix only with water. Do not mix with other chemicals.

STORAGE: Keep out of reach of children. Keep this product dry in original tightly closed container when not in use. Store in a cool, dry, well ventilated area. Isolate from incompatible substances. Do not reuse container, but place in trash collection.

8. Exposure Controls / Personal Protection

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	<u>EXPOSURE LIMITS</u>					
	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>SUPPLIER OEL</u>	
	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
Sodium Carbonate	TWA N/E ^[1]		N/E			

OSHA TABLE COMMENTS:

1. N/E = Not Established

ENGINEERING CONTROLS: General room ventilation plus local exhaust should be used to minimize exposure to dust/vapours.

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: Avoid inhaling vapours or dust. In case of insufficient ventilation, wear an approved NIOSH respirator.

WORK HYGIENIC PRACTICES: Remove and wash contaminated clothing before reuse.

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

9. Physical & Chemical Properties

PHYSICAL STATE: Solid

ODOUR: Odourless

APPEARANCE: Powder or granules

COLOUR: White

pH: 11.6 (1% solution)

VAPOUR PRESSURE: Not Established

VAPOUR DENSITY: Not Established

BOILING POINT: Not Applicable

FREEZING POINT: Not Applicable

MELTING POINT: 851°C (1564°F)

THERMAL DECOMPOSITION: 400°C

SOLUBILITY IN WATER: 33 g/100 g water

DENSITY: 62 lb/cu ft

SPECIFIC GRAVITY: 2.53

COEFF. OIL/WATER: Not established

10. Chemical Stability & Reactivity Information

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

STABILITY: This product is stable under normal conditions. Hygroscopic. Readily absorbs moisture from the air.

POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and sodium oxide.

INCOMPATIBLE MATERIALS: Avoid contact with water on concentrated material in the container. Avoid strong acids and all other swimming pool/hot tub chemicals in their concentrated forms.

11. Toxicological Information

ACUTE

EYES: No data available for this product.

DERMAL LD₅₀: No data available for this product.

ORAL LD₅₀: 4090 mg/kg of body weight in rats

INHALATION LC₅₀: 2300 mg/m³ in rats.

EYE EFFECTS: This product is expected to cause severe eye irritation or chemical burns.

SKIN EFFECTS: This product is a skin irritant.

SENSITIZATION: This product is not expected to be a skin sensitizer.

CHRONIC / SUBCHRONIC: No data available for this product.

CARCINOGENICITY:

This product is not listed as a carcinogen by IARC.

This product is not listed as a carcinogen by NTP.

This product is not listed as a carcinogen by OSHA.

MUTAGENICITY: This product is not expected to be mutagenic.

SYNERGISTIC MATERIALS: None known.

REPRODUCTIVE EFFECTS: Product is not expected to be a reproductive hazard.

TERATOGENIC EFFECTS: No data available for this product.

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

DISPOSAL METHOD: Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire.

PRODUCT DISPOSAL: Dispose of unused, uncontaminated product in accordance with all municipal, provincial or federal regulations.

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

14. Transport Information

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Sodium Carbonate

PRIMARY HAZARD CLASS/DIVISION: Not listed

UN/NA NUMBER: Not listed

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Sodium Carbonate

PRIMARY HAZARD CLASS/DIVISION: Not listed

UN/NA NUMBER: Not listed

15. Regulatory Information

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: NO **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** YES **CHRONIC:** NO

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)

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.

RCRA STATUS: **RCRA STATUS:** This product, as sold, would not be considered a RCRA Hazardous Waste.

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.

CANADA

WHMIS CLASS: E –Corrosive material

DOMESTIC SUBSTANCE LIST (INVENTORY): Product ingredients are listed on DSL.

COMMENTS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and this MSDS contains all the information required by the Controlled Products Regulations.

16. Other Information

COMMENTS: The contents and format of this MSDS are in accordance with OSHA Hazard Communication Standard, National Fire Protection Association (NFPA), Hazardous Materials Identification System (HMIS), and Canada's Workplace Hazardous Information System (WHMIS) and Environmental Protection Agency (CEPA).

Disclaimer	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.
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