

1. Product and Company Identification

Product Name Mineraluxe Alkalinity +
CAS# 144-55-8
Product Use: Total Alkalinity Increaser for Hot Tubs
Supplier Mineraluxe c/o. BACKYARD BRANDS, INC.
401 S. Enterprise Blvd. Lebanon, IN 46052 USA – 1-866-875-0012

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical): (877) 800 - 5553

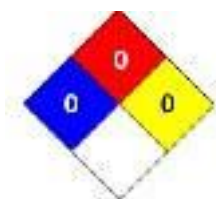
CANUTEC (Canadian Transportation): (613) 996 - 6666

CHEMTREC (US Transportation): (800) 424 – 9300

HMIS RATING

HEALTH:		C
FLAMMABILITY:		C
PHYSICAL HAZARD:		C
PERSONAL PROTECTION:	B	

NFPA CODES



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

2. Hazards Identification

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: White, crystalline powder.

IMMEDIATE CONCERNS: **CAUTION:** Avoid contact with eyes. Wear safety glasses when handling this product. Avoid breathing dust. Do not mix with any other chemicals.

POTENTIAL HEALTH EFFECTS

ROUTES OF EXPOSURE: Eye, Ingestion, Inhalation.

EYES: May cause mild irritation with redness, itching and swelling. Avoid contact with eyes.

SKIN: Product is non-irritating to skin. However, as part of good industrial, personal hygiene and safety procedures avoid unnecessary contact with skin.

INGESTION: This product is practically non-toxic. Small amounts (1-2 tablespoonfuls) swallowed during normal handling operations are not likely to cause injury as long as the stomach is not overly full. Swallowing larger amounts may cause injury, including systemic alkalosis.

INHALATION: Elevated dust levels may cause irritation to upper respiratory tract. Avoid breathing dust.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CHRONIC EFFECTS: There are no known chronic hazards.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Sodium hydrogen carbonate (Sodium bicarbonate)	144-55-8	100

4. First Aid Measures

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 poison control center or doctor for treatment advice.

SKIN: No adverse effects expected. However, as part of good personal hygiene, wash thoroughly with soap and water after handling.

INGESTION: If swallowed: Give several glasses of water to dilute. If large amounts are swallowed, do not induce vomiting. If person is conscious, give several glasses of water. Do not give anything by mouth to an unconscious person. Call poison control center or doctor for treatment advice.

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: Large doses may produce systemic alkalosis and expansion in extra cellular fluid volume with edema.

5. Fire Fighting Measures

FLASHPOINT AND METHOD: Non-flammable

AUTOIGNITION TEMPERATURE: Not Applicable

GENERAL HAZARD: This product is not flammable or combustible.

EXTINGUISHING MEDIA: This material does not burn. If exposed to a fire from another source, use any means suitable for extinguishing surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS: This product is not flammable or combustible.

EXPLOSION HAZARDS: This product is not considered to be an explosion hazard.

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

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

6. Accidental Release Measures

GENERAL PROCEDURES: Flush to sewage or disposal system.

7. Handling and Storage

GENERAL PROCEDURES: Avoid contact with eyes. Avoid breathing dust.

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

STORAGE: Keep out of reach of children. Keep this product in original closed container when not in use. Store in a cool, dry, well ventilated area. Do not re-use empty container. Rinse container thoroughly before discarding.

8. Exposure Controls / Personal Protection

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

EXPOSURE LIMITS

	<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 Bicarbonate						

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: No special requirement.

RESPIRATORY: None required for normal use. Avoid inhaling vapours or dust.

WORK HYGIENIC PRACTICES: In accordance with good industrial hygiene practices, wash hands thoroughly with soap and water after handling this product.

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: Crystalline powder

COLOR: White

pH: 8.2 (1% solution)

PERCENT VOLATILE: Not Applicable

VAPOR PRESSURE: Not Applicable

VAPOR DENSITY: Not Applicable

FREEZING POINT: Not Applicable

MELTING POINT: Not Applicable

THERMAL DECOMPOSITION: 270°C

SOLUBILITY IN WATER: 8.6 g/100g Water

DENSITY: 62 lb/cu ft

MOLECULAR WEIGHT: 84.01

10. Chemical Stability & Reactivity Information

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

STABILITY: This product is stable under normal conditions.

POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Gaseous carbon dioxide.

INCOMPATIBLE MATERIALS: Acids. 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: 7.3 g/kg of body weight in rats

INHALATION LC₅₀: >4.74 mg/l (rats)

NOTES: This product has low oral toxicity. It is slightly irritating to the eyes and non-irritating to the skin. Elevated dust levels may cause irritation of the upper respiratory tract.

May be severely irritating or corrosive to eyes and skin.

EYE EFFECTS: This product is mildly irritating to eyes.

SKIN EFFECTS: This product is not a skin irritant.

SENSITIZATION: This product is not a skin sensitizer.

CHRONIC /SUBCHRONIC: No known chronic effects.

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: This product is not expected to be a reproductive hazard.

TERATOGENIC EFFECTS: This product is not expected to be teratogenic.

12. Ecological Information

Environmental toxicity:

Daphnids (EC50)=4100 mg/l

Bluegill (LC50)=>5000 mg/l

Rainbow trout (LC50)=7700 mg/l

This pesticide is not expected to be toxic to fish and aquatic organisms.

13. Disposal Considerations

DISPOSAL METHOD: Dispose of unused, uncontaminated product in accordance with municipal, provincial 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: Sodium bicarbonate

PRIMARY HAZARD CLASS/DIVISION: Not regulated

UN/NA NUMBER: Not regulated

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Sodium bicarbonate

PRIMARY HAZARD CLASS/DIVISION: Not regulated

UN/NA NUMBER: Not regulated

15. Regulatory Information

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)

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: 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 U.S. EPA registered pesticide.

CANADA

WHMIS CLASS: Not controlled.

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.

Issue date	November 15, 2019
Effective date	November 15, 2019
Expiry date	November 15, 2022
Date revised:	N/A
Revision #:	N/A
Prepared by	Backyard Brands, 1-866-875-0012