

1. Product and Company Identification

Product Name Mineraluxe™ Phos Cleanse

Product use Cleaning agent for hot tubs.

Supplier Mineraluxe c/o Backyard Brands, Inc.
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

NFPA CODES



HMIS RATING

HEALTH:	/	1
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

CAUTION

EYE IRRITANT. Skin irritation possible with prolonged exposure.

Potential short term health effects

Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Eyes	Liquid is mildly irritating to eyes.
Skin	Substance may cause slight skin irritation.
Inhalation	May cause respiratory tract irritation.
Ingestion	May cause stomach distress, nausea or vomiting.
Target organs	Eyes. Skin.
Chronic effects	Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Signs and symptoms	Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Lanthanum chloride	10099-58-8	7 - 13
Lanthanum sulfate	10099-60-2	1 - 5

4. First Aid Measures

First aid procedures

Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation exists.
Skin contact	Flush with water. Wash with soap and water. Obtain medical attention if irritation persists.
Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion	Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.
Notes to physician	Symptoms may be delayed.
General advice	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire Fighting Measures

Flammable properties	Not flammable by WHIMIS/OSHA criteria.
Extinguishing media	
Suitable extinguishing media	Treat for surrounding material.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available

Protective equipment for self-firefighters	Firefighters should wear full protective clothing including contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of sulphur. Hydrogen chloride.
Explosion data	
Sensitivity to mechanical Impact	Not available
Sensitivity to static discharge	Not available

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing.
Storage	Keep out of the reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Exposure limits	
Ingredient(•)	Exposure Limits
Tetrasodium ethylenediamine tetraacetate	ACGIH-TLV Not established OSHA-PEL Not established
Engineering controls	General ventilation normally adequate.
Personal protective equipment	
Eye /face protection	Wear safety glasses with side shields.
Hand protection	Rubber gloves. Confirm with a reputable supplier first.
Skin and body protection	As required by employer code.
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Avoid breathing mists or vapors.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical & Chemical Properties

Appearance	Skim milk when shaken
Color	White
Form	Not available
Odour	Musty
Odour threshold	Not available
Physical state	Liquid containing solids
pH	2.1-2.3
Melting point	Not available
Freezing point	Not available
Boiling point	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability limits in air, lower % by volume	Not available
Flammability limits in air, upper % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	1.09-1.11
Octanol/water coefficient	Not available
Solubility (H2O)	Complete
Auto-ignition temperature	Not available
VOE(Weight %)	Not available
Viscosity	Not available
Percent volatile	Not available

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Caustics.
Hazardous decomposition	May include and are not limited to: Oxides of sulphur. Hydrogen chloride.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Acute effects	Acute LD50: 5000 mg/kg, Rat, Oral Acute LD50: 5000 mg/kg, Rat, Dermal
Component analysis - LC50	
Ingredient(s)	LCSO
Lanthanum chloride	Not available
Lanthanum sulfate	Not available
Component analysis - Oral LDSO	
Ingredient(•)	LDSO
Lanthanum chloride	4184 mg/kg rat
Lanthanum sulfate	4991 mg/kg rat

Effects of acute exposure

Eye	Liquid is mildly irritating to eyes.
Skin	Substance may cause slight skin irritation.
Inhalation	May cause respiratory tract irritation.
Ingestion	May cause stomach distress, nausea or vomiting.
Sensitization	Non-hazardous by WIIMIS/OSHA criteria.
Chronic effects	Non-hazardous by WIIMIS/OSHA criteria.
Carcinogenicity	Non-hazardous by WIIMIS/OSHA criteria.
Mutagenicity	Non-hazardous by WIIMIS/OSHA criteria.
Reproductive effects	Non-hazardous by WIIMIS/OSHA criteria.
Teratogenicity	Non-hazardous by WIIMIS/OSHA criteria.

12. Ecological Information

Ecotoxicity	This product has not been tested.
Environmental effects	Not available
Aquatic toxicity	Not available
Persistence / degradability	Not available
Bioaccumulation/accumulation	Not available
Partition coefficient	Not available
Mobility in environmental media	Not available
Chemical fate information	Not available

13. Disposal Considerations

Waste codes	Not available
Disposal instructions	Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

Department of Transportation (DOT)	Not regulated as dangerous goods.
Transportation of Dangerous Goods (TDG)	Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
US Federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.
Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1200	
Hazardous chemical	Yes
Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	Yes
Clean Air Act (CAA)	Not available
Clean Water Act (CWA)	Not available
Safe Drinking Water Act (SDWA)	Not available
Drug Enforcement Agency (DEA)	Not available
Food and Drug Administration (FDA)	Not available
WHMIS status	Controlled
WHMIS classification	Class D - Division 2B
WHMIS labeling	



State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Inventory name

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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	September 10, 2015
Effective date	September 10, 2015
Expiry date	September 10, 2018
Date revised:	N/A
Revision #:	N/A
Prepared by	Backyard Brands, 1-866-875-0012