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## 1. Product and Company Identification

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**Product Name** Mineraluxe™ Phos Cleanse

**CAS #** 144-55-8

**Product Use** Phosphate remover

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

### 24 EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical): 1-877-800-5553

CANUTEC (Canadian Transportation): 1-613-996-6666

CHEMTREC (US Transportation): 1-800-424-9300

### HMIS RATING:

<b>HEALTH:</b>	<b>1</b>
<b>FLAMMABILITY:</b>	<b>0</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	<b>B</b>

### NFPA RATING:

HEALTH	1
FIRE	0
REACTIVITY	0

### LEGEND HMIS/NFPA:

SEVERE	4
SERIOUS	3
MODERATE	2
SLIGHT	1
MINIMAL	0

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## 2. Hazardous Identification

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### EMERGENCY OVERVIEW CAUTION

**EYE IRRITANT:** Skin irritation possible with prolonged exposure.

### POTENTIAL SHORT TERM HEALTH EFFECTS

**ROUTES OF EXPOSURE:** Eye, Skin contact, Ingestion, Inhalation.

**EYES:** Liquid is mildly irritating to the eyes.

**SKIN:** Substance may cause slight skin irritation.

**INGESTION:** May cause stomach distress, nausea or vomiting.

**INHALATION:** May cause respiratory tract irritation.

**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.

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## 3. Composition / Information on Ingredients

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

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## 4. First Aid Measures

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### 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.

**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.

**INHALATION:** If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

**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.

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## 5. Fire Fighting Measures

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**FLAMMABLE PROPERTIES:** Not flammable by WHMIS/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

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## 6. Accidental Release Measures

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**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 and from upwind of spill/leak.

**METHODS FOR CONTAINMENT:** Stop leaks 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.

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## 7. Handling and Storage

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**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 reach of children. Store in a closed container away from incompatible materials.

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## 8. Exposure Controls / Personal Protection

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### EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

<u>INGREDIENT(S)</u>	<u>EXPOSURE</u>
<u>LIMITS</u>	

Tetrasodium Cthylenediarnine Tetrasacctate	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
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**ENGINEERING CONTROLS:** General ventilation normally adequate.

**PERSONAL PROTECTIVE EQUIPMENT:**

**EYES AND FACE:** 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 mist or vapors.

**GENERAL HYGENIC 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.

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## 9. Physical & Chemical Properties

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<b>APPEARANCE:</b>	Skim milk when shaken
<b>COLOR:</b>	White
<b>FORM:</b>	Not available
<b>ODOR:</b>	Musty
<b>ODOR THRESHOLD:</b>	Not available
<b>PHYSICAL STATE:</b>	Liquid containing solids
<b>pH:</b>	2.1-2.3
<b>MELTING POINT:</b>	Not available
<b>FREEZING POINT:</b>	Not available
<b>BOILING POINT:</b>	Not available
<b>FLASH POINT:</b>	Not available
<b>EVAPORATION RATE:</b>	Not available
<b>FLAMMABILITY LIMITS IN AIR, LOWER % BY VOLUME:</b>	Not available
<b>FLAMMABILITY LIMITS IN AIR, UPPER % BY VOLUME:</b>	Not available
<b>VAPOR PRESSURE:</b>	Not available
<b>VAPOR DENSITY:</b>	Not available

<b>SPECIFIC GRAVITY:</b>	Not available
<b>OCTANOL/WATER COEFFICIENT:</b>	Not available
<b>SOLUBILITY (H2O):</b>	Complete
<b>AUTO-IGNITION TEMPERATURE:</b>	Not available
<b>VOE (WEIGHT %):</b>	Not available
<b>VISCOSITY:</b>	Not available
<b>PERCENT VOLATILE:</b>	Not available

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## 10. Chemical Stability & Reactivity Information

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**CHEMICAL STABILITY:** Stable under recommended storage conditions.

**CONDITIONS TO AVOID:** Do not mix with other chemicals.

**HAZARDOUS DECOMPOSITION:** May include and are not limited to oxides of sulfur. Hydrogen chloride.

**INCOMPATIBLE MATERIALS:** Caustics.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous polymerization does not occur.

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## 11. Toxicological Information

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<b>ACCUTE EFFECTS</b>	<b>ACUTE LD50: 5000 mg/kg, rat, oral</b> <b>ACUTE LD50: 5000 mg/kg, rat, dermal</b>
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<b>Component Analysis- LC50</b>	
<b>Ingredient(s)</b>	<b>LC50</b>

Lanthanum Chloride	Not available
Lanthanum Sulfate	Not available

<b>Component analysis – Oral LD50</b>	
<b>Ingredient(s)</b>	<b>LC50</b>

Lanthanum Chloride	4184 mg/kg rat
Lanthanum Sulfate	4991 mg/kg rat

### EFFECTS OF ACUTE EXPOSURE

**EYES:** Liquid is mildly irritating to the 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 WHMIS/OSHA criteria.

**CHRONIC EFFECTS:** Non-hazardous by WHMIS/OSHA criteria.

**MUTAGENICITY:** Non-hazardous by WHMIS/OSHA criteria.

**REPRODUCTIVE EFFECTS:** Non-hazardous by WHMIS/OSHA criteria

**TERATOGENICITY:** Non-hazardous by WHMIS/OSHA criteria.

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## **12. Ecological Information**

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**ECOTOXICITY:** This product has not been tested.

**ENVIRONMENTAL EFFECTS:** Not available.

**AQUATIC TOXICITY:** Not available.

**PERSISTENCE/DEGRADABILITY:** Not available.

**BIOACCUMMULATION/ACCUMULATION:** Not available.

**PARTITION COEFFICIENT:** Not available.

**MOBILITY IN ENVIRONMENTAL MEDIA:** Not available.

**CHEMICAL FATE INFORMATION:** Not available.

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## **13. Disposal Considerations**

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**WASTE CODES:** Not available

**DISPOSAL INSTRUCTIONS:** Dispose in accordance with all applicable regulations.

**WASTE FROM RESIDUES/UNUSED PRODUCTS:** Not available

**CONTAMINATED PACKAGING:** Not available.

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## **14. Transport Information**

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**DEPARTMENT OF TRANSPORTATION (DOT)**

Not regulated as dangerous goods.

**TRANSPORT OF DANGEROUS GOODS (TDG)**

Not regulated as dangerous goods.

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## **15. Regulatory Information**

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**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

**DELYARED HAZARD:** No

**FIRE HAZARD:** No

**PRESSURE HAZARD:** No

**REACTIVITY HAZARD:** No

**SECTION 302 EXTREMELY HAZARD 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

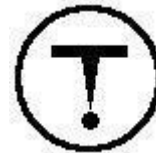
**DRUG ENFORCEMENT AGENCY (DEA):** Not available

**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**

<b>Country(s) or region (yes/no)</b>	<b>Inventory Name</b>	<b>On Inventory?</b>
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" indicated that all components of this product comply with the inventory requirements administered by the governing country(s).

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## 16. Other Information

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**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 the control of the supplier, it is assumed that uses 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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**Prepared by:** Backyard Brands – 1-866-875-0012