1. Product and Company Identification

Product Name Phosfloc
CAS # Mixture
Product use Phosphate remover
Manufacturer Natural Chemistry, Inc.
40 Richards Ave.
Norwalk, CT 06854 US
Phone: (800) 753-1233
Emergency Phone: CHEMTREC (800) 424-9300

2. Hazards Identification

Emergency overview WARNING
EYE AND SKIN IRRITANT.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Eyes Causes irritation.

Skin May cause irritation.

Inhalation Dusts of this product may cause irritation of the nose, throat, and respiratory tract.

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.

OSHA Regulatory Status This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects Components of this product have been identified as having potential environmental concerns.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum sulfate hydrate</td>
<td>17927-65-0</td>
<td>60 - 100</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures

Eye contact Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention if irritation develops or persists.

Skin contact Immediately 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. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

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. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties Not flammable by WHMIS/OSHA criteria.
Extinguishing media

Suitable extinguishing media: Treat for surrounding material.

Unsuitable extinguishing media: Water.

Protection of firefighters

Specific hazards arising from the chemical: Not available

Protective equipment for firefighters: Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products: May include and are not limited to: Oxides of sulphur. Oxides of aluminum.

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.

Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas.

Methods for containment: Stop leak if you can do so without risk.

Methods for cleaning up: Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

7. Handling and Storage

Handling: Use good industrial hygiene practices in handling this material.

Storage: Keep out of reach of children. Store in a cool place in original container and protect from sunlight.

8. Exposure Controls / Personal Protection

Exposure limits

Ingredient(s) | Exposure Limits
---|---
Aluminum sulfate hydrate | ACGIH-TLV
| Not established
| OSHA-PEL
| Not established

Engineering controls: Use only under good ventilation conditions or with respiratory protection.

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.

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 and Chemical Properties

Appearance: Granules or Powder

Color: White to off white

Form: Solid

Odor: Odorless

Odor threshold: Not available

Physical state: Not available

pH: Not available
10. Stability and Reactivity

Reactivity
This product may react with oxidizing agents. Strong bases

Possibility of hazardous reactions
Hazardous polymerization does not occur.

Chemical stability
Stable under recommended storage conditions.

Conditions to avoid
Do not mix with other chemicals.

Incompatible materials
Oxidizers. Bases.

Hazardous decomposition products
May include and are not limited to: Oxides of sulphur. Oxides of aluminum. Sulfuric acid.

11. Toxicological Information

Component analysis - LC50
Ingredient(s) LC50
Aluminum sulfate hydrate Not available

Component analysis - Oral LD50
Ingredient(s) LD50
Aluminum sulfate hydrate Not available

Effects of acute exposure

Eye
Causes irritation.

Skin
May cause irritation.

Inhalation
Dusts of this product may cause irritation of the nose, throat, and respiratory tract.

Ingestion
May cause stomach distress, nausea or vomiting.

Sensitization
Non-hazardous by WHMIS/OSHA criteria.

Chronic effects
Non-hazardous by WHMIS/OSHA criteria.

Carcinogenicity
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.

Name of Toxicologically Synergistic Products
Not available

12. Ecological Information

Ecotoxicity
Not available

Persistence / degradability
Not available

Bioaccumulation / accumulation
Not available

Mobility in environmental media
Not available
Environmental effects: Not available
Aquatic toxicity: Not available
Partition coefficient: Not available
Chemical fate information: Not available
Other adverse effects: Not available

13. Disposal Considerations

Disposal instructions: Review federal, state/provincial, and local government requirements prior to disposal.
Waste from residues / unused products: Not available
Contaminated packaging: Not available

14. Transport Information

U.S. Department of Transportation (DOT)
Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)
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.
WHMIS status: Controlled
WHMIS classification: Class D - Division 2B
WHMIS labeling: Yes

Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical: Yes

US Federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA (Superfund) reportable quantity: None

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
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

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
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</tbody>
</table>

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

LEGEND

<table>
<thead>
<tr>
<th>HMIS/NFPA</th>
<th>Description</th>
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<tr>
<td>Severe</td>
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</tr>
<tr>
<td>Serious</td>
<td>3</td>
</tr>
<tr>
<td>Moderate</td>
<td>2</td>
</tr>
<tr>
<td>Slight</td>
<td>1</td>
</tr>
<tr>
<td>Minimal</td>
<td>0</td>
</tr>
</tbody>
</table>

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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Expiry date: 01-Jun-2014
Prepared by: Dell Tech Laboratories Ltd. (519) 858-5021

Other information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.