

#### MATERIAL SAFETY DATA SHEET

### 1. Product and Company Identification

Product Name Pool Perfect Plus Phosfree

CAS # Mixture

Product use Water cleaning compound and Phosphate remover

Manufacturer Natural Chemistry, Inc. 40 Richards Ave.

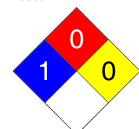
Norwalk, CT 06854 US Phone: (800) 753-1233

Emergency Phone: CHEMTREC (800) 424-9300

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 persists.

**Skin contact** Flush with cool 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. Keep out of reach of children.

5. Fire Fighting Measures Not flammable by WHMIS/OSHA criteria. Flammable properties Extinguishing media Suitable extinguishing media Dry chemical. Water spray. Carbon dioxide. Foam. Unsuitable extinguishing media Not available Protection of firefighters Specific hazards arising from Not available the chemical Protective equipment for Firefighters should wear full protective clothing including self contained breathing firefighters apparatus. May include and are not limited to: Oxides of sulphur. Hydrogen chloride. **Hazardous combustion products Explosion data** Not available Sensitivity to mechanical impact Not available Sensitivity to static discharge 6. Accidental Release Measures Keep unnecessary personnel away. Do not touch or walk through spilled material. Do Personal precautions not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, Methods for containment basements or confined areas. Before attempting clean up, refer to hazard data given above. Small spills may be Methods for cleaning up absorbed with non-reactive absorbent and placed in suitable, covered, labelled 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. Storage Keep out of reach of children. Store in a closed container away from incompatible materials. 8. Exposure Controls / Personal Protection **Exposure limits** Ingredient(s) **Exposure Limits** Lanthanum chloride **ACGIH-TLV** Not established **OSHA-PEL** Not established Lanthanum sulfate **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. As required by employer code. Skin and body protection Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respiratory protection 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** Liquid Color Not available Liquid **Form** 

Odor Slight Molasses Odor threshold Not available Physical state Liquid На 2.1 - 2.3**Melting point** Not available Not available Freezing point Not available **Boiling point** Not available Pour point Not available **Evaporation rate** Not available Flash point Not available **Auto-ignition temperature** Flammability limits in air, lower, % Not available

by volume

Flammability limits in air, upper, %

by volume

Percent volatile

Not available

Vapor pressure Not available Vapor density Not available Specific gravity 1.09 - 1.11 9.08 - 9.25 Relative density Octanol/water coefficient Not available Appreciable Solubility (H2O) VOC (Weight %) Not available Not available **Viscosity** 

10. Stability and Reactivity

Chemical stability Stable under recommended storage conditions.

Not available

Conditions to avoid Do not mix with other chemicals.

Incompatible materials Caustics.

Hazardous decomposition products May include and are not limited to: Oxides of sulphur. Hydrogen chloride.

Possibility of hazardous reactions Hazardous polymerization does not occur.

## 11. Toxicological Information

Component analysis - LC50

Ingredient(s) LC50 Lanthanum chloride Not available

Lanthanum sulfate Not available

Component analysis - Oral LD50

Ingredient(s) **LD50** 

Lanthanum chloride 4184 mg/kg rat Lanthanum sulfate 4991 mg/kg rat

Effects of acute exposure

Liquid is mildly irritating to eyes. Eye

Skin Substance may cause slight skin irritation. Inhalation May cause respiratory tract irritation.

May cause stomach distress, nausea or vomiting. Ingestion

SensitizationNon-hazardous by WHMIS/OSHA criteria.Chronic effectsNon-hazardous by WHMIS/OSHA criteria.CarcinogenicityNon-hazardous by WHMIS/OSHA criteria.MutagenicityNon-hazardous by WHMIS/OSHA criteria.Reproductive effectsNon-hazardous by WHMIS/OSHA criteria.TeratogenicityNon-hazardous by WHMIS/OSHA criteria.

Synergistic Materials Not available

### 12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental

concerns.

Environmental effects

Aquatic toxicity

Persistence / degradability

Bioaccumulation / accumulation

Partition coefficient

Mobility in environmental media

Not available

Not available

Not available

Chemical fate information Not available
Other adverse effects Not available

### 13. Disposal Considerations

Waste codes Not available

**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.

**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

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Section 302 extremely No hazardous substance

Section 311 hazardous chemical Yes

Clean Air Act (CAA) Not available
Clean Water Act (CWA) 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 regionInventory nameOn inventory (yes/no)\*CanadaDomestic Substances List (DSL)NoCanadaNon-Domestic Substances List (NDSL)YesUnited States & Puerto RicoToxic Substances Control Act (TSCA) InventoryYes

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

#### 16. Other Information

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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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.

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