



# Aqua Chemical Supply, Inc.

183 Moore Street – Millersburg – PA – 17061  
Office 717-692-7369 / 1-866-375-2782 Fax 717-692-3280

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier PhosFree Extra Strength  
Other means of identification Not available  
Recommended use Phosphate remover  
Recommended restrictions None known.  
Manufacturer/Supplier/Distributor:  
Natural Chemistry L.P.  
40 Richards Ave.  
Norwalk, CT 06854 US  
Emergency telephone number: For emergency assistance involving chemicals call  
CHEMTREC day or night at: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

Physical hazards Not classified.  
Health hazards Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2A  
Specific target organ toxicity, single exposure Category 3 respiratory tract irritation  
Environmental hazards Not classified.  
OSHA defined hazards Not classified.  
Label elements



Signal word Warning  
Hazard statement Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.  
Precautionary statement  
Prevention Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves. Wear eye/face protection.  
Response If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing. If inhaled: Remove person to fresh air and keep comfortable for breathing. Specific treatment (see this label). Call a poison center/doctor if you feel unwell. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.  
Storage Store in a well-ventilated place. Keep container tightly closed. Store locked up.  
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.  
Hazard(s) not otherwise classified (HNOC) None known.  
Supplemental information Not applicable.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture  
Chemical name Common name and synonyms CAS number %  
Lanthanum Chloride (LaCl<sub>3</sub>), Hydrate 20211-76-1 26.52  
Composition comments: All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. FIRST AID MEASURES

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
Skin contact Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water.  
If skin irritation occurs: Get medical advice/attention.

Eye contact                      Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion                        Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

Most important symptoms/effects, acute and delayed    Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Indication of immediate medical attention and special treatment needed    Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information            Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves

#### **5. FIRE FIGHTING MEASURES**

Suitable extinguishing media                      Treat for surrounding material.

Unsuitable extinguishing media                      None known.

Specific hazards arising from the chemical    During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters    Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions            Move containers from fire area if you can do so without risk.

Specific methods                      Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards                      No unusual fire or explosion hazards noted.

Hazardous combustion products                  Not available.

Explosion data

Sensitivity to mechanical impact                  Not available.

Sensitivity to static discharge                      Not available.

#### **6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures    Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up                  This product is miscible in water. Stop the flow of material, if this is without risk.

Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions                  Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground

#### **7. HANDLING AND STORAGE**

Precautions for safe handling                  Avoid breathing mist or vapor. Avoid contact with skin. Avoid contact with eyes. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage.

Conditions for safe storage, including any incompatibilities                  Store locked up. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

#### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Occupational exposure limits                  No exposure limits noted for ingredient(s).

Biological limit values                      No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls                  Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection                      Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection                      Wear appropriate chemical resistant gloves

Other	Wear appropriate chemical resistant clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Not applicable.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear
Physical state	Liquid.
Form	Liquid.
Color	Gold tint
Odor	Not available.
Odor threshold	Not available.
pH	2.1 - 2.3
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	Not available.
Specific gravity	1.08 - 1.28
Partition coefficient (n-octanol/water)	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	Not available.
Flammability limit – upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	9 - 10.7 lb/gal
Solubility(ies)	Complete
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available

### 10. STABILITY AND REACTIVITY

Reactivity	This product may react with strong alkalis.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Caustics. Strong oxidizing agents.
Hazardous decomposition products	Hydrogen chloride. Oxides of sulfur.

### 11. TOXICOLOGICAL INFORMATION

Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.	
Information on likely routes of exposure		
Ingestion	Expected to be a low ingestion hazard.	
Inhalation	May cause irritation to the respiratory system.	
Skin contact	Causes skin irritation.	
Eye contact	Causes serious eye irritation.	
Symptoms related to the physical, chemical and toxicological characteristics	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.	
Information on toxicological effects		
Acute toxicity	May cause respiratory irritation.	
Components	Species	Test Results
Lanthanum Chloride (lacl3), Hydrate (CAS 20211-76-1)		
Acute Dermal LD50	Not available	
Inhalation LC50	Not available	

Oral LD50	Not available
Skin corrosion/irritation	Causes skin irritation.
Exposure minutes	Not available.
Erythema value	Not available.
Oedema value	Not available.
Serious eye damage/eye irritation	Causes serious eye irritation.
Corneal opacity value	Not available.
Iris lesion value	Not available.
Conjunctival reddening value	Not available.
Conjunctival oedema value	Not available.
Recover days	Not available.
Respiratory or skin sensitization	
Respiratory sensitization	Not classified.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Teratogenicity	Not classified.
Specific target organ toxicity - single exposure	Respiratory tract irritation.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not classified.
Chronic effects	Not classified.
Further information	Not available.
Name of Toxicologically Synergistic Products	Not available
<b>12. ECOLOGICAL INFORMATION</b>	
Ecotoxicity	See below
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Mobility in general	Not available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
<b>13. DISPOSAL CONSIDERATION</b>	
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
<b>14. TRANSPORT INFORMATION</b>	
U.S. Department of Transportation (DOT)	Not regulated as dangerous goods.
Transportation of Dangerous Goods (TDG - Canada)	Not regulated as dangerous goods
<b>15. REGULATORY INFORMATION</b>	
Canadian federal regulations	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
WHMIS status	Controlled

WHMIS classification

Class D - Division 2B

WHMIS labeling



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

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.

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

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance Not listed.

US. Massachusetts RTK - Substance List Not regulated.

US. Pennsylvania RTK - Hazardous Substances Not regulated.

US. Rhode Island RTK Not regulated.

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
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

### Notice

Aqua Chemical Supply, Inc. expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from your local Aqua Chemical Supply, Inc. sales office.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Aqua Chemical Supply, Inc. makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Aqua Chemical Supply, Inc.'s control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.