

# Material Safety Data Sheet

## NoPhos

### Section 1 - Chemical Product and Company Identification

Company Identification:

Dryden Aqua Ltd  
Butlerfield  
Bonnyrigg  
Edinburgh EH19 3JQ

Tel 018758 22222  
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### Section 2 - Composition, Information on Ingredients

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CAS#: 10025-84-0  
Chemical Name: Lanthanum, water, chloride, EDTA)  
Percentage:  
EINECS#: unlisted  
Hazard Symbols:  
Risk Phrases:  
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Hazard Symbols: XI  
Risk Phrases: 36/37/38

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Irritating to eyes, respiratory system and skin. The toxicological properties of this material have not been fully investigated. Hygroscopic (absorbs moisture from the air).  
Potential Health Effects

Eye: Causes eye irritation.  
Skin: Causes skin irritation. The toxicological properties of this material have not been fully investigated.  
Ingestion: Causes gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.  
Inhalation: Causes respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.  
Chronic: No information found.

#### **Section 4 - First Aid Measures**

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

#### **Section 5 - Fire Fighting Measures**

##### General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

##### Extinguishing Media:

Use agent most appropriate to extinguish fire. Do NOT get water inside containers. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

#### **Section 6 - Accidental Release Measures**

##### General Information:

Use proper personal protective equipment as indicated in Section 8.

##### Spills/Leaks:

Clean up spills immediately, observing precautions in the

##### Protective

Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation. Do not get water inside containers.

#### **Section 7 - Handling and Storage**

##### Handling:

Wash thoroughly after handling. Use with adequate ventilation.

Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Do not allow contact with water. Wash clothing before reuse. Keep from contact with moist air and steam.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

## **Section 8 - Exposure Controls, Personal Protection**

### Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### Exposure Limits

CAS# 10025-84-0:

CAS# 10099-58-8:

### Personal Protective Equipment

#### Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or

#### European

Standard EN166.

#### Skin:

Wear appropriate gloves to prevent skin exposure.

#### Clothing:

Wear appropriate clothing to prevent skin exposure.

#### Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## **Section 9 - Physical and Chemical Properties**

Physical State:	Solid
Color:	white
Odor:	none reported
pH:	slight acidic, 1% water solution pH 5.5
Vapor Pressure:	Negligible.
Viscosity:	Not available
Boiling Point:	Decomposes
Freezing/Melting Point:	91 deg C (dec)
Autoignition Temperature:	Not applicable
Flash Point:	Not applicable.
Explosion Limits: Lower:	Not available
Explosion Limits: Upper:	Not available
Decomposition Temperature:	
Solubility in water:	Soluble in water.
Specific Gravity/Density:	Not available.

## **Section 10 - Stability and Reactivity**

### Chemical Stability:

Stable at room temperature in closed containers under normal Storage and handling conditions.

### Conditions to Avoid:

Incompatible materials, dust generation, moisture, excess heat, temperatures above 75 degC (167 degF).

### Incompatibilities with Other Materials

Strong oxidizing agents and strong acids

### Hazardous Decomposition Products

Hydrogen chloride, irritating and toxic fumes and gases.

### Hazardous Polymerization

Has not been reported.

## **Section 11 - Toxicological Information**

RTECS#: CAS# 10025-84-0 unlisted. CAS# 10099-58-8: OE4375000

CAS# 10099-58-8: Oral, rat: LD50 = 2370 mg(La)/kg;.

### Carcinogenicity:

Lanthanum chloride heptahydrate -

Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

### Other:

See actual entry in RTECS for complete information.

## **Section 12 - Ecological Information**

Not available

## **Section 13 - Disposal Considerations**

Products considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location.

Contact a specialist disposal company or the local authority or advice. Empty containers must be decontaminated before returning for recycling.

## **Section 14 - Transport Information**

### IATA

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:

### IMO

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:

RID/ADR

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:

### **Section 15 - Regulatory Information**

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system  
and skin.

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 10025-84-0: Not available

CAS# 10099-58-8: Not available

Canada

CAS# 10099-58-8 is listed on Canada's DSL List

US Federal

TSCA

CAS# 10025-84-0 is not on the TSCA Inventory because it is a hydrate.

### **Section 16 - Other Information**

Text for R-phrases from Section 2

MSDS Creation Date:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.