

**SECTION 1 : Identification of the substance/mixture and of the company/undertaking**
**1.1 Product Identifier**

Product Name :	Phosphate Remover
Datasheet Number :	SDS086
Unique Formula Identifier:	0D70-E00P-A00Y-9PUC

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Product category	PC37 Water treatment chemicals.
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Application of the substance / the mixture	To reduce high levels of phosphate in swimming pool water.
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Uses advised against:	Any use carrying a risk of direct contact with eyes/skin where workers are exposed without adequate personal protective equipment (PPE).
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**1.3 Details of the supplier of the safety data sheet**

Name of Supplier	Plastica Ltd
Address of Supplier	Perimeter House, Napier Road St Leonards-on-Sea, East Sussex TN38 9NY, United Kingdom
Telephone	+44 (0) 1424 857857
E-mail (competent person)	info@plasticapools.net

**1.4 Emergency Telephone Number**

Emergency Phone No	0800 043 0891 (Technical) 24 Hours a day 0800 043 0892 (Emergency)
Languages Spoken	English advised against.

Members of the public seeking specific information on poisons should contact:  
In England and Wales: NHS 111 - dial 111  
In Scotland: NHS 24 - dial 111

**SECTION 2 : Hazards Identification**
**2.1 Classification of the substance or mixture**
**Classification according to Regulation (EC) No 1272/2008**


Eye Dam. 1

H318 Causes serious eye damage.



Skin Sens. 1

H317 May cause an allergic skin reaction.

Aquatic Chronic 3

H412 Harmful to aquatic life with long lasting effects.

2.2	<b>Label elements</b>	According to Regulation (EC) No. 1272/2008 (CLP)
	<b>Hazard Pictograms</b>	GHS05, GHS07
	<b>Signal Word(s)</b>	Danger
	<b>Hazard-determining components of labelling:</b>	Lanthanum chloride, anhydrous
	<b>Hazard Statement(s)</b>	H318 Causes serious eye damage. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P261 Avoid breathing mist/vapours/spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

2.3	<b>Other hazards</b>
	Results of PBT and vPvB assessment
	PBT:
	vPvB:

Not applicable.

Not applicable.

**SECTION 3 : Composition/Information on Ingredients**

3.1	<b>Chemical characterisation:</b>	Mixtures
	<b>Description:</b>	Mixture of substances listed below with nonhazardous additions.

Substance	CAS No	EINECS	Reach Registration No	%W/W
Lanthanum chloride, anhydrous	10099-58-8	233-237-5		10-25%

Met. Corr.1, H290; Eye Dam. 1, H318

Aquatic Chronic 2, H411

Skin Sens. 1A, H317

Specific concentration limit: Skin Sens. 1; H317: C ≥ 10 %

**Additional information:**

For the wording of the listed hazard phrases refer to section 16.

#### SECTION 4 : First Aid Measures

##### 4.1 Description of first aid measures

General information:

After inhalation:

After skin contact:

After eye contact:

After swallowing:

Information for doctor:

Immediately remove any clothing soiled by the product.

Supply fresh air; consult doctor in case of complaints.

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

Check for and remove any contact lenses.

Rinse opened eye for several minutes under running water. Then consult a doctor.

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Treat symptomatically and supportively.

##### 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

##### 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

#### SECTION 5 : Firefighting Measures

##### 5.1 Extinguishing Media :

Suitable Extinguishing Agents:

CO2, powder or water spray. Fight larger fires with water spray. Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable Extinguishing Media:

Water with full jet

##### 5.2 Special hazards arising from the substance or mixture :

Formation of toxic gases is possible during heating or in case of fire.

##### 5.3 Advice for Firefighters :

Wear fully protective suit.

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

#### SECTION 6 : Accidental Release Measures

##### 6.1 Personal precautions, protective equipment and emergency procedures :

Ensure adequate ventilation

Wear protective clothing.

Keep unprotected persons away.

##### 6.2 Environmental Precautions:

Do not allow to penetrate the ground/soil.

Do not allow product to reach sewage system or any water course in the undiluted form.

Inform respective authorities in case of seepage into water course or sewage system

##### 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Send for recovery or disposal in suitable receptacles.

- 6.4 **Reference to other sections** See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7 : Handling and Storage

- 7.1 **Precautions for Safe Handling** Avoid direct contact (skin/eye contact, ingestion and/or inhalation of fume/mist/dust) with the product in the undiluted form.  
Prevent formation of aerosols.  
Ensure good ventilation/exhaustion at the workplace.

**Information about fire - and explosion protection:** No special measures required.

- 7.2 **Conditions for safe storage, including any incompatibilities**  
**Storage:**

**Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground

**Information about storage in one common storage facility:** Store away from oxidising agents.

**Further information about storage conditions:** Protect from frost.  
Store in cool, dry conditions in well sealed receptacles.  
Store in a bunded area.

**Storage class:** 12

- 7.3 **Specific end use(s)** No further relevant information available.

## SECTION 8 : Exposure Controls/Personal Protection

- 8.1 **Control Parameters**  
**Additional information about design of technical facilities:** No further data; see item 7.  
**Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.  
**Additional information:** The lists valid during the making were used as basis.

- 8.2 **Exposure controls**  
**Personal protective equipment:**  
**General protective and hygienic measures:** Do not eat, drink, smoke or sniff while working.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.  
**Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.  
**Protection of hands:** Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

## 8.2 cont..

**Material of gloves :**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material :**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

Tightly sealed goggles.

**Body protection:**

Impervious protective clothing

Body protection must be chosen depending on product properties, activity and possible exposure.

**SECTION 9 : Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

## General Information

## Appearance:

Form:

Fluid

Colour:

Light Blue

Odour:

Mild

Odour threshold:

Not determined.

pH-value:

Not determined

Change in condition

Melting point/freezing point:

Undetermined.

Initial boiling point and boiling range:1

Undetermined

Flash point:

Cannot support combustion

Flammability (solid, gas):

Not applicable.

Decomposition temperature:

Not determined.

Auto-ignition temperature:

Product is not self-igniting.

Explosive properties:

Product does not present an explosion hazard.

Explosion limits:

Lower:

Not determined.

Upper:

Not determined.

Vapour pressure:

Not determined.

Density at 20 °C:

1.12 g/cm<sup>3</sup>

Relative density

Not determined.

Vapour density

Not determined.

Evaporation rate

Not determined.

Solubility in / Miscibility with water:

Fully miscible.

Partition coefficient: n-octanol/water:

Not determined.

Viscosity:

Dynamic:

Not determined.

Kinematic:

Not determined.

**9.2 Other Information :**

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## SECTION 10 : Stability and Reactivity

- |      |   |  |
|------|---|--|
| 10.1 | <b>Reactivity</b>   | No further relevant information available.                       |
| 10.2 | <b>Chemical stability Thermal decomposition / conditions to be avoided:</b> | No decomposition if used and stored according to specifications. |
| 10.3 | <b>Possibility of hazardous reactions:</b>                                  | No dangerous reactions known.                                    |
| 10.4 | <b>Conditions to avoid:</b>   | No further relevant information available.                       |
| 10.5 | <b>Incompatible materials:</b>  | Strong acids and oxidising agents                                |
| 10.6 | <b>Hazardous decomposition products:</b>                                    | Hydrogen chloride (HCl)<br>Metaloxide                            |

## SECTION 11 : Toxicological Information

- 11.1 Information on toxicological effects**
- Acute toxicity Based on available data, the classification criteria are not met
- Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: Causes serious eye damage.
- Respiratory or skin sensitisation: May cause an allergic skin reaction..
- Additional toxicological information:**
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

## SECTION 12 : Ecological Information

- |      |                                      |  |
|------|--------------------------------------|--|
| 12.1 | <b>Toxicity</b>                      |  |
|      | Aquatic Toxicity:                    | No further relevant information available.           |
| 12.2 | <b>Persistence and degradability</b> | The organic portion of the product is biodegradable. |
| 12.3 | <b>Bioaccumulative potential</b>     | Product is not expected to bioaccumulate.            |
| 12.4 | <b>Mobility in soil</b>              | No further relevant information available.           |
- Ecotoxical effects:**
- Remark:** Harmful to fish.
- Additional ecological information:**
- General notes:**
- Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
- Do not allow product to reach ground water, water course or sewage system.
- Must not reach sewage water or drainage ditch undiluted or unneutralised.
- Danger to drinking water if even small quantities leak into the ground.
- Harmful to aquatic organisms

- 12.5 **Results of PBT and vPvB assessment**  
**PBT:** Not applicable.  
**vPvB:** Not applicable.

- 12.6 **Other adverse effects** No further relevant information available.

### SECTION 13 : Disposal Considerations

#### 13.1 **Waste treatment methods**

##### **Recommendation**

Recommended Hierarchy of Controls:

Minimise waste;

Reuse if not contaminated;

Recycle, if possible; or

Safe disposal (if all else fails).

Contact waste processors for recycling information.

Must not be disposed together with household garbage.

Do not allow product to reach sewage system.

Used, degraded or contaminated product may be classified as hazardous waste.

Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.

##### **Uncleaned packaging:**

##### **Recommendation:**

Disposal must be made according to official regulations.

Containers, even those that are "empty," may contain residues that can develop flammable and/or hazardous vapours upon heating.

Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

##### **Recommended cleansing agents:**

Water, if necessary together with cleansing agents.

### SECTION 14 : Transport Information

- 14.1 **UN-Number**  
 ADR, ADN, IMDG, IATA Void
- 14.2 **UN proper shipping name**  
 ADR, ADN, IMDG, IATA Void
- 14.3 **ADR, ADN, IMDG, IATA Class**  
 Void
- 14.4 **Packing group**  
**ADR, IMDG, IATA** Void
- 14.5 **Environmental hazards**  
 Marine Pollutants No
- 14.6 **Special precautions for user** Not applicable
- 14.7 **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable
- Transport/Additional information:** Not dangerous according to the above specifications.  
**UN "Model Regulation":** Void

**SECTION 15 : Regulatory Information**

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
Directive 2012/18/EU  
Named dangerous substances - ANNEX I None of the ingredients is listed.
- 15.2 **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16 : Other Information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H290 May be corrosive to metals.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H411 Toxic to aquatic life with long lasting effects.

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Met. Corr. 1: Corrosive to metals – Category 1  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1A: Skin sensitisation – Category 1A  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3