

Algon (NZ) Limited  
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 163 Morrin Rd, St John's, Auckland 1072

# Safety Data Sheet – Phosphate remover

Revision date; August 2020

## Section 1 – Product Identifier and chemical identity

Product names: **Phosphate Remover**

Product use: Treatment of phosphates in swimming pool water

Supplier details: Manufactured and Distributed within NZ by;  
 ALGON NZ,  
 163 Morrin Rd,  
 St Johns,  
 Auckland, 1072.  
 Ph +64 9 529 0523

Distributed within Australia by;  
 Algon Australia Pty Ltd,  
 Reg'd Office Level 11, 80 Mount St,  
 Nth Sydney, NSW 2060"  
 Ph: +61 2 944 97997, Fax: +61 2 944 95664

Emergency contact details (24 hrs) NZ National Poisons Centre – 0800 764 766  
 NSW Poisons Information Centre – 131 126

## Section 2 – Hazard Identification

Hazardous Classification: Classified as hazardous according to the Hazardous Substances and New Organisms Act 1996



GHS Signal Word: DANGER

HSNO Classification	GHS Classification	Hazard Statement
6.5B	Skin sensitization – Category 1	May cause an allergic skin reaction.
8.1A	Corrosive to metals	May be corrosive to metals
8.3A	Serious eye damage – Category 1	Causes serious eye damage.
9.1C	Aquatic toxicity (chronic) – Category 3	Harmful to aquatic life with long lasting effects.

Precautionary Statements: PREVENTION

Keep out of reach of children.  
 Read label before use.  
 Keep only in original container.  
 Avoid breathing Vapours  
 Wash hands thoroughly after handling  
 Contaminated work clothing should not be allowed out of the workplace.  
 Avoid release to the environment.  
 Wear protective gloves, clothing, and eye/face protection

Phosphate Remover

National Poisons Centre (24 hrs) 0800 764 766 NZ  
 131 126 AU

#### RESPONSE

If medical advice is needed, have product container or label at hand.  
 IF ON SKIN: Wash with plenty of soap and water.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Immediately call a POISON CENTER or doctor/physician.  
 If skin irritation, eye irritation, or rash occurs: Get medical advice/attention.  
 Wash contaminated clothing before reuse.  
 Absorb spillage to prevent material damage.

#### STORAGE

Store locked up.

#### DISPOSAL

Triple rinse containers and recycle according to local bylaws

### Section 3 – Composition

Ingredients	CAS #	Concentration
Lanthanum Chloride Heptahydrate	10025-84-0	10-30%
Water and other non-hazardous ingredients	N/A	to 100%

### Section 4 – First Aid

If you suspect that you have been poisoned or irritated by this product, you should call the Poisons Information Centre on 0800 764 766 (in NZ). Make sure you have this SDS available when you call. First aid measures vary according to routes of exposure.

<b>Ingestion:</b>	If product is swallowed, rinse out mouth with water. Do not induce vomiting, Do not give anything by mouth to an unconscious person. Call POISON CENTER or doctor/physician
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. POISON CENTER or doctor/physician
<b>Skin contact:</b>	Remove contaminated clothing, and wash affected areas with soap and water for several minutes. Seek medical attention if irritation continues.
<b>Inhalation:</b>	Unlikely route for exposure. Remove victim from exposure, relocate to fresh air. Loosen or remove contaminated / restrictive clothing. Seek medical attention if effects persist.

### Section 5 – Fire Fighting

<b>Suitable Extinguishing Media:</b>	Use media to suit local environment such as dry agents, water, foam, water fog.
<b>Unsuitable Extinguishing Media:</b>	None known
<b>Hazards from combustion:</b>	There is no risk of explosion from this product. May form toxic combustion products during fire such as lanthanum oxides
<b>Precautions for fire fighters:</b>	Fire fighters should wear approved self-contained breathing apparatus and protective fire-fighting clothing. Keep away from low positions and stay upwind.

### Section 6 – Accidental Release

<b>Protective Equipment:</b>	Wear protective clothing, triple layer nitrile gloves, and goggles or face protection (see Section 8). Dispose of the absorbed spill in polyethylene containers in accordance with local, State or Federal regulations at an approved waste disposal facility or land fill.
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**Environmental precautions:** Try to contain spill. Prevent spillage from entering drains, sewers and waterways

**Phosphate remover**

**National Poisons Centre (24 hrs) 0800 764 766 NZ  
131 126 AU**

<b>Containment and Cleaning Up:</b>	Large spills	Affected area can be slippery. Treat area with absorbent material such as sand, earth or vermiculite. Notify local council or emergency services if spillage enters drains.
	Small spills	Use absorbent materials to soak up spill, and dispose of in sealed, labelled containers.

## Section 7 – Handling and Storage

<b>Precautions for Safe Handling:</b>	Ensure personal protective gear (Section 8) is worn when handling, keep exposure to a minimum. Wash hands before eating, drinking or smoking. Remove contaminated clothing before entering eating areas. Keep away from any incompatible materials mentioned in Section 10. Keep handling to a minimum.
<b>Conditions for Safe Storage:</b>	Store in a cool dry place away from direct sunlight or heat. Keep in original container Keep away from any incompatible materials mentioned in Section 10. Keep in original containers with lids firmly sealed and check for spills. Avoid contact with strong acids, metal hydroxides, reactive metals (tin, zinc, magnesium, aluminium).

## Section 8 – Exposure Controls

<b>Exposure Standards</b>	WES-TWA ( mg/m3 )	-	no exposure standard allocated.
<b>Engineering Controls:</b>	Use only in well ventilated area. Have eye wash station within close proximity.		
<b>Personal Protective Equipment (PPE):</b>	Wear gloves, safety glasses, protective boots and overalls.		
<b>Eye and Face Protection:</b>	Wear safety glasses with side shields or full face mask.		
<b>Skin Protection:</b>	Wear protective clothing and gloves to avoid unnecessary contact.		
<b>Respiratory Protection:</b>	It is usually safe to use this product without a respirator.		

## Section 9 – Physical and Chemical Properties

<b>Appearance:</b>	Liquid	<b>Flammability:</b>	Not flammable.
<b>Odour:</b>	No Data available	<b>Vapour pressure:</b>	No data available.
<b>Odour Threshold:</b>	No data available.	<b>Vapour density:</b>	No data available.
<b>pH:</b>	No data available	<b>Relative Density:</b>	No data available
<b>Freezing point:</b>	0°C approx.	<b>Solubility:</b>	Completely soluble in water.
<b>Boiling Point:</b>	100°C approx (at 100 kPa).	<b>Partition coefficient:</b>	No data available (n-octanol/water).
<b>Flashpoint:</b>	No data available.	<b>Auto-ignition Temperature:</b>	n/a - doesn't burn.
<b>Evaporation Rate:</b>	Similar to that of water.	<b>Decomposition Temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.		

## Section 10 – Stability / Reactivity

<b>Reactivity:</b>	Stable under normal storage conditions, with decomposition or reaction unlikely.
<b>Chemical Stability:</b>	Product is stable at normal ambient temperatures and pressures.
<b>Possibility of Hazardous reactions:</b>	Polymerisation is unlikely to occur.
<b>Conditions to avoid:</b>	Store in a cool, dry, well-ventilated place in the original container, avoiding excessive heat, direct sunlight, freezing and moisture.
<b>Incompatible materials:</b>	Avoid contact with strong acids and metals.
<b>Hazardous decomposition products:</b>	Only small quantities of decomposition products are expected at fire temperatures.

## Section 11 – Toxicological Information

<b>Acute Toxicity:</b>	Calculated using bridging principles.
<b>Oral</b>	Not expected to be a hazard
<b>Dermal</b>	Not expected to be a hazard.
<b>Phosphate remover</b>	

<b>Inhalation</b>	Not expected to be a hazard.
<b>Skin Corrosion / Irritation:</b>	Causes severe eye damage.
<b>Serious Eye Damage / Irritation:</b>	May cause skin irritation
<b>Respiratory or Skin Sensation:</b>	Not expected to be a hazard
<b>Germ Cell Mutagenicity:</b>	Not expected to be a hazard.
<b>Carcinogenicity:</b>	No information available.
<b>Reproductive Toxicity:</b>	Not expected to be a hazard.
<b>Specific Target Organ Toxicity</b>	Causes damage to liver through repeated exposure
<b>Aspiration Hazard:</b>	No information available.

## Section 12 – Ecological Information


<b>Ecotoxicity:</b>	Very toxic to aquatic organisms with long lasting effects
<b>Persistence and degradability:</b>	No information available.
<b>Bioaccumulative potential:</b>	No information available.
<b>Mobility in Soil:</b>	No information available.

## Section 13 – Disposal Considerations

<b>Disposal methods:</b>	The product should be disposed of in accordance with state or local government waste management regulations. The containers themselves should be triple rinsed and recycled wherever possible.
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## Section 14 – Transport Information

This product is classified as a Dangerous Good for transport. Road and Rail NZ (NZS 5433:2012) Australian Road and Rail (ADG 2018) Transport by Sea (IMDG) and Transport by Air (IATA)

<b>Pictogram</b>	
<b>UN Number</b>	1760
<b>Class</b>	8
<b>Packing Group</b>	III
<b>Proper shipping name</b>	Corrosive liquid, NOS (Lanthanum Chloride)

<b>Special provisions:</b>	None
<b>Limited quantities:</b>	5 Litres
<b>Marine Pollutant:</b>	YES
<b>Stowage and Segregation:</b>	CORROSIVE: Store away from oxidizing agents, store away from food
<b>Hazchem</b>	2R

## Section 15 – Regulatory Information

Classified under the Group Standard HSR002681 – Water Treatment Chemicals (Corrosive) 2017

<b>Location compliance certification:</b>	Not required
<b>Tracking:</b>	Not required
<b>Certified Handler:</b>	Not required
<b>Secondary containment:</b>	1000 L (9.1C)
<b>Signage:</b>	1000 L (8.1A)

All materials listed in the AICIS chemical inventory

All materials listed in the NZIoC

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## Section 16 – Other Information

**SDS Prepared By:** Grayson Wagner Co Ltd

**Creation Date** August 14, 2020

**Revision Date** August 14, 2020 (New SDS)

**Print Date** August 14, 2020

**Review Date** August 14, 2025

### Acronyms

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route, Transport of Dangerous Goods

CAS Chemical Abstracts Service Registry

GHS Globally Harmonised System for Classifying Chemicals

HSNO Hazardous Substances and New Organisms

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods Code

NZIoC New Zealand Inventory of Chemicals

NZS New Zealand Standards

%W/W Percent by weight

This SDS has been prepared in accordance with the HSNO Act 1996. This represents health, safety and risk information compiled from sources considered reliable and accurate to the best of our knowledge. However, no warranty is made whatsoever, expressed, or implied regarding the accuracy of this data, or the results obtained from the use thereof. Each user must view this SDS with regard to how the product will be handled /used in the workplace, in relation to individual circumstances or other products. The user is cautioned to make their own determination regarding suitability of the information provided in relation to these situations / products / circumstances. If further information or clarification is required, please contact this company so that we can endeavour to obtain it.