Material Safety Data Sheet

POOLKARE POPR - Lanthanum Chloride 150 gm- 250 gm/Ltr

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Version 1.1

1. IDENTIFICATION

Product Name	**POOLKARE POPR - 150 gm/Ltr – 250 gm/Ltr Lanthanum Chloride - l**anthanum trichloride, heptahydrate
Other Names	
Uses	Removes phosphates from swimming pools. No Data Available
Chemical Family	
Chemical Formula	CI3La.7H2O, H2O
Chemical Name	Lanthanum Chloride
Product Description	No Data Available

Contact Information	**Organisation**	**Location**	**Telephone**	**AskFor**
	Wobelea Pty Ltd	18 Embrey Court, Pakenham Victoria 3810. Australia.	+61-3-59401077 +61-3-59971690 (AH)	SDS Officer
	Poisons Information Centre	Australia	131126	

2. HAZARD IDENTIFICATION

ADG Code

Non-Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG Code), IATA or IMDG/IMSBC criteria. Non Hazardous according to the criteria of SWA,ASCC [NOHSC:1008(2004)] GHS Signal Word: NONE. Not hazardous

Pictogram – **precautionary only.**

Prevention:
P102: Keep out of reach of children
P262 Do not get in eyes, on skin or on clothing
P281 Use personal protective equipment as required.
Response:
P353 Wash with plenty of soap and water
P301, 330, 331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P370 & P378: Not combustible. Use extinguishing media suited to burning materials.
Storage:
P404: Store in a closed container
Disposal
P501: If they cannot be recycled dispose of contents to an approved waste disposal plant and

containers to landfill (see Section 13 of this SDS.

This Material Safety Data Sheet may not provide exhaustive guidance for all HSNO Controls assigned to this substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients CAS No Conc,% TWA (mg/m3) STEL (mg/m3)

Ingredients

INGREDIENTS	***CAS #***	***Conc. %***	***Formula***
Lanthanum Chloride hydrate	***10025-84-0***	***10-30%***	***Cl3La.7H2O***
Water	***7732-18-5***	***>40%***	***H2O***

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed	Rinse mouth with water. Give large amounts of water to drink. Do NOT induce vomiting. Seek medical attention immediately. If symptoms develop or if in doubt contact Poisons Information Centre.
Eye	In case of contact, immediately flush eyes with plenty of water for at least 5 minutes using an eyewash fountain or lukewarm water. Lift upper and lower lids and rinse well under them. In all cases of eye contamination, it is a sensible precaution to seek medical advice.
Skin	In case of contact, immediately wash with soap and plenty of water for at least 5 minutes. Remove contaminated clothing and shoes. Thoroughly clean contaminated clothing and shoes before reuse. Get medical attention if necessary.
Inhaled	**First aid is generally not required.** Move to fresh air. Seek medical attention immediately if breathing difficulties occur or contact Poisons Information Centre.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of patient.
Medical Conditions Aggravated by Exposure	No information available on medical conditions aggravated by exposure to this product.

5. FIRE FIGHTING MEASURES

General Measures	**For large Fires:** Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. If safe to do so, remove containers from the path of fire.
Flammability Conditions	Non-flammable liquid.
Extinguishing Media	Use water, dry chemicals, carbon dioxide, sand or foam. Use extinguishing media appropriate for surrounding fire. Water may be used to keep fire-exposed containers cool until fire is out.
Hazardous Products of Combustion	Hydrogen chloride may be produced at a very small quantity due to diluted nature of product.
Flash Point	No Data Available
Lower Explosion Limit	No Data Available
Upper Explosion Limit	No Data Available
Auto Ignition Temperature	No Data Available
Hazchem Code	No Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure	**Large Spills:** Eliminate all sources of ignition. Increase ventilation. Avoid walking through spilled product as it may be slippery. Use clean, non-sparking tools and equipment.
Clean Up Procedures	Soak up spilled product using absorbent non-combustible material such as sand or soil. When saturated, collect the material and transfer to a suitable, labelled chemical waste container and dispose of promptly. Contain large spills and pump to recover.
Containment	Stop leak if safe to do so.
Decontamination	Wash spill area after material pickup is complete.
Environmental Precautionary Measures	Do not allow product to reach drains, sewers or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Authority.
Evacuation Criteria	Evacuate all unnecessary personnel.
Personal Precautionary Measures	**Personnel involved in the clean up should wear full protective clothing**

7. HANDLING AND STORAGE

Handling	Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product fumes.
Storage	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Secondary containment is recommended. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods By Road and Rail.
Container	Store in original packaging as approved by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General	No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC).
Exposure Limits	No Data Available
Biological Limits	No information available on biological limit values for this product.
Engineering Measures	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
Personal Protection Equipment	RESPIRATOR: Air purifying respirator with appropriate cartridge when TLV exceeded (AS1715/1716). EYES: Safety glasses with side shields. DO NOT WEAR CONTACT LENSES (AS1336/1337). HANDS: Gloves (AS2161). CLOTHING: Long-sleeved protective clothing and safety footwear (AS3765/2210).
Work Hygienic Practices	Maintain a sink, safety shower and eyewash fountain in the work area..

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Liquid
Odour	Odourless
Colour	Colourless or slightly yellow transparent liquid
pH	1 - 3
Vapour Pressure	No Data Available
Relative Vapour Density	No Data Available
Boiling/Melting Point	No Data Available
Solubility	No Data Available
Freezing Point	No Data Available
Specific Gravity	No Data Available
Flash Point	No Data Available
Auto Ignition Temp	No Data Available
Evaporation Rate	No Data Available
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	No Data Available
Specific Heat	No Data Available
Molecular Weight	No Data Available
Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available

Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	No Data Available
Potential for Dust Explosion	Product is a liquid
Fast or Intensely Burning Characteristics	No Data Available
Flame Propagation or Burning Rate of Solid Materials	No Data Available
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No Data Available
Properties That May Initiate or Contribute to Fire Intensity	No Data Available
Reactions That Release Gases or Vapours	In the event of fire Hydrogen chloride released.
Release of Invisible Flammable Vapours and Gases	No Data Available

10. STABILITY AND REACTIVITY

General Information	Non-flammable liquid.
Chemical Stability	Product is stable under normal conditions of use, storage and temperature.
Conditions to Avoid	No Data Available
Materials to Avoid	No Data Available
Hazardous Decomposition Products	

Hazardous Polymerisation	Will not occur.

Fire Decomposition: Only small quantities of decomposition are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Lanthanum compounds ,Carbon monoxide poisoning produces: headache, weakness, nausea, dizziness unconsciousness in severe fires.

11. TOXICOLOGICAL INFORMATION

General Information	CHRONIC EXPOSURE/CARCINOGENICITY: This substance not listed as a potential carcinogen by IARC. SIGNS AND SYMPTOMS OF OVEREXPOSURE: Eye and/or skin irritation may be experienced.
Eye Irritant	May cause Irritation.
Ingestion	Possible irritant if swallowed.
Skin Irritant	Possible skin Irritant Can cause irritation to exposed areas of body. Severity of injury depends largely on duration of exposure. Immediate action is necessary to limit severity of injury.
Carcinogen Category	0

12. ECOLOGICAL INFORMATION

Eco toxicity	No Data Available
Persistence/Degradability	No Data Available
Mobility	No Data Available
Environmental Fate	Do NOT let product reach waterways, drains and sewers.
Bioaccumulation Potential	No Data Available
Environmental Impact	No Data Available

13. DISPOSAL CONSIDERATIONS

General Information	If utilisation or recycling of the product is not possible, it should be disposed of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
Special Precautions for Land Fill	Contact a specialist disposal company or the local waste regulator for advice.

14. TRANSPORT INFORMATION

ADG Code Non-Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG Code).

Air

IATA

Proper Shipping Name	Lanthanum Chloride 60% Min
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

Land

Australia: ADG Code

Proper Shipping Name	Lanthanum Chloride 60% Min
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

Sea

IMDG Code

Proper Shipping Name	Lanthanum Chloride 60% Min
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No

15. REGULATORY INFORMATION

General Information	No Data Available
Poisons Schedule (Aust)	No Data Available
AICS Name	Mixture - All components listed on AICS

16. OTHER INFORMATION

Key/Legend

< Less Than
> Greater Than
AICS Australian Inventory of Chemical Substances
atm Atmosphere
CAS Chemical Abstracts Service (Registry Number)
cm² Square Centimetres

CO2 Carbon Dioxide
COD Chemical Oxygen Demand
deg C (°C) Degrees Celcius
EPA (New Zealand) Environmental Protection Authority of New Zealand
deg F (°F) Degrees Farenheit
g Grams
g/cm³ Grams per Cubic Centimetre
g/l Grams per Litre
HSNO Hazardous Substance and New Organism
IDLH Immediately Dangerous to Life and Health
immiscible Liquids are insoluable in each other.
inHg Inch of Mercury
inH2O Inch of Water
K Kelvin
kg Kilogram
kg/m³ Kilograms per Cubic Metre
lb Pound
LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours. **LD50** LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or **L** Litre
m³ Cubic Metre
mbar Millibar
mg Milligram
mg/24H Milligrams per 24 Hours
mg/kg Milligrams per Kilogram
mg/m³ Milligrams per Cubic Metre
Misc or **Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm Millimetre
mmH2O Millimetres of Water
mPa.s Millipascals per Second
N/A Not Applicable
NIOSH National Institute for Occupational Safety and Health
NOHSC National Occupational Heath and Safety Commission
OECD Organisation for Economic Co-operation and Development
Oz Ounce
PEL Permissible Exposure Limit
Pa Pascal
ppb Parts per Billion
ppm Parts per Million
ppm/2h Parts per Million per 2 Hours
ppm/6h Parts per Million per 6 Hours
psi Pounds per Square Inch
R Rankine
RCP Reciprocal Calculation Procedure
STEL Short Term Exposure Limit
TLV Threshold Limit Value
tne Tonne
torr Millimetre of Mercury
TWA Time Weighted Average
ug/24H Micrograms per 24 Hours
UN United Nations
wt Weight

Disclaimer:

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Please note this product is a blended product and is formulated with low concentration of some of the actives. Therefore this SDS should be used a guideline only. Further information can be obtained from the manufacturer if required.
The user should be aware of changing technology, research, regulations, and analytical procedures that may require changes herein. The above data is supplied upon the condition that persons will evaluate this information and then determine its suitability for their use.

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********** END OF SDS **********