



MATERIAL SAFETY DATA SHEET

Product Name: Phosphate Remover
Revision date: 12/06/02
Revision: 3

1. Identification of the substance & the company

Chemical name: Lanthanum Chloride, 7 hydrate
Supplier: NAVA Water Products
95 MacCorkle Ave. SW, South Charleston, WV 25303, USA
Tel: (304) 746-3000

Emergency Telephone: Chemtrec (800)424-9300

2. Composition / information on ingredients

CAS NO.	INGREDIENT	EXPOSURE LIMITS
10099-58-8	Lanthanum Chloride	na
20211-76-1	Lanthanum Chloride Hydrate	na
	Water	na

3. Hazards identification

PRINCIPAL HEALTH HAZARDS, INCLUDING SIGNIFICANT ROUTES, EFFECTS, AND SYMPTOMS OF OVEREXPOSURE AND MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE MAY BE:

EYE: May cause irritation.

SKIN: Possible skin irritant

INHALATION: See first aid section

INGESTION: See first aid section

CARCINOGENICITY: Not listed by National Toxicology Program (NTP) OSHA, or International Agency for Research on Cancer (IARC)

4. First-aid measures

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN: If skin contact occurs, immediately wash with soap and water for at least 15 minutes.

INHALATION: If a person breathes in large amounts, move the exposed person to fresh air. Get medical attention.

INGESTION: If person is conscious, immediately give large amounts of water. Get medical attention.

5. Fire - fighting measures



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HAZARDOUS COMBUSTION PRODUCTS: none.

EXTINGUISHING MEDIA: Use water, dry chemicals, carbon dioxide, sand or foam. Use extinguishing media appropriate for surrounding fire.

FIREFIGHTING INSTRUCTIONS: Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coat, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Water may be used to keep fire-exposed containers cool until fire is out.

FLASH POINT: Not applicable.

6. Accidental release measures

SPILL: Wear suitable protective clothing. Cleaning up spill with plenty of water.

DISPOSAL INFORMATION:

DISPOSAL METHODS: Dispose in accordance with all applicable federal, state and local environmental regulations.

7. Handling and storage

HANDLING & STORAGE PRECAUTIONS: Keep container tightly closed suitable for any general chemical storage area.

8. Exposure controls / personal protection

PERSONAL PROTECTIVE EQUIPMENT (PPE): Good hygiene practices should be strictly followed. Before eating, drinking or smoking, wash face and hands thoroughly. For operations where eye or face contact may occur, wear chemical goggles or face shield. Showers and eyewash facilities should be accessible.

EYE PROTECTION: Safety glasses with side shields recommended.

SKIN PROTECTION: Avoid contact with skin.

PROTECTIVE CLOTHING: Proper gloves are recommended.

PROTECTIVE FOOTWEAR: NA

RESPIRATORY PROTECTION: None required where adequate ventilation conditions exist. Keep fume levels as low as possible.

VENTILATION REQUIREMENTS: Adequate ventilation required.

9. Physical and chemical properties



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PHYSICAL FORM: Clear to slightly yellow liquid.

BOILING POINT: NA

MELTING POINT: NA

pH: NA

SOLUBILITY IN WATER: Appreciable (more than 10%).

SPECIFIC GRAVITY: NA

10. Stability and reactivity

CHEMICAL STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBLES: NA

DECOMPOSITION PRODUCTS: no.

11. Toxicological information

ORAL Rat LD₅₀ (MG/KG): 4200

lpr Rat, LD₅₀ (MG/KG): 106

SCU Mouse, LD₅₀ (MG/KG): 2424

IV-Mouse, LD₅₀ (MG/KG): 18

DERMAL LD₅₀ (rabbit): NA

EYE IRRITATION (rabbit): NA

SKIN IRRITATION (rabbit): NA

12. Ecological information



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Fish 96-hour LC₅₀ = NA
Daphnia 48-hour LC₅₀ = NA
Green algae 96-hour EC₅₀ = NA
Fish Chronic Value (ChV) = NA
Daphnia ChV = NA
Algae ChV = NA

GENERAL:

13. Disposal considerations

WASTE DISPOSAL METHOD: Dispose of in accordance with all applicable federal, local and State environmental regulations.

14. Transportation information

DOT Proper Shipping Name: Chemicals, N.O.S. (non-regulated) (Domestic & International)
DOT Hazard Class: Not regulated as a hazardous material
Packing Group: Not determined
UN Number: Not determined
Product RQ (lbs.): No limit
DOT Label: Miscellaneous
DOT Placard: Not required
Freight Class (package): Not determined

15. Regulatory information

NOTE:

MATERIAL IS REPORTED IN EPA TSCA INVENTORY LIST?: No

MATERIAL IS LISTED AS A CARCINOGEN/POTENTIAL CARCINOGEN IN FOLLOWING?: No

NTP ANNUAL REPORT: No IARC GROUP I OR II: No OSHA 29CFR PART 1910 SUBPART Z: No

DOES PRODUCT CONTAIN A TOXIC CHEMICAL SUBJECT TO SARA TITLE III SECTION 313 REPORTING: No

SARA TITLE III SECTION 311/312 CLASSIFICATIONS: None

16. Other information



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End of safety data sheet