

OMEGA PHOSPHATE REMOVER

1-CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Date Prepared: 7-19-2015
 Material Identification: Omega Phosphate Remover
 Trade names and Synonyms: Lanthanum Chloride
 Company Identification: Qualco Inc. / 225 Passaic Street / Passaic, NJ 07055
 Phone Number: 973-473-1222 Emergency: CHEMTREC – 1-800-424-9300

2-HAZARDS IDENTIFICATION

Physical Hazards: Not classified

Health Hazards: Not classified

Environmental Hazards: Hazardous to the aquatic environment, acute & long-term hazard Category 1



OSHA defined hazards: Not classified

Signal word: Warning

Hazard Statement: Very toxic to aquatic life with long lasting effects.

Precautionary Statement:

Prevention: Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response: Wash hands after handling. Collect spillage.

Storage: Store in a well ventilated place. Keep container tightly closed.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None

3-COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Chemical Name: Lanthanum Chloride, Heptahydrate, 100%

CAS Number: 10025-84-0

4-FIRST AID MEASURES

Inhalation: Move to fresh air.

Skin Contact: Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye Contact: Rinse with water. Get medical attention if irritation develops and persists.

Ingestion: Do not use mouth-to-mouth method if victim ingested the substance.

General Information: Ensure medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Provide general supportive measures and treat symptomatically.

5-FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire – water, fog, foam, dry chemical powder, carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: None known.

Special Protective Equipment and Precautions for Firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire Fighting Equipment/Instructions: Use water spray to cool unopened containers.

Specific Methods: Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards: No unusual fire or explosion hazards noted.
6-ACCIDENTAL RELEASE MEASURES
<p>Personal Precautions, Protective Equipment and Emergency Procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.</p> <p>Methods and materials for containment and cleaning up: This product is miscible in water. Prevent entry into waterways, sewers, basements or confined areas. Stop the flow of material, if this is without risk. Avoid dust formation. Prevent product from entering drains. Following product recovery, flush area with water. Sweep up or vacuum up spillage and collect in suitable container for disposal. For waste disposal, see Section 13 or the SDS. Small Dry Spills: With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area.</p> <p>Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water course or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.</p>
7-HANDLING AND STORAGE
<p>Precautions for Safe Handling: Use only with adequate ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.</p> <p>Conditions for Safe Storage Including Any Incompatibilities: Store in original tightly closed container. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).</p>
8-EXPOSURE CONTROLS/PERSONAL PROTECTION
<p>Occupational Exposure Limits: No exposure limits noted for ingredient(s).</p> <p>Biological Limit Values: No biological exposure limits noted for the ingredient(s)</p> <p>Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas.</p> <p>Individual Protection Measures, such as Personal Protective Equipment:</p> <p>Eye/Face Protection: Wear chemical goggles.</p> <p>Skin/Hand Protection: Wear appropriate chemical resistant gloves.</p> <p>Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.</p> <p>Thermal Hazards: Wear appropriate thermal protective clothing, when necessary.</p> <p>General Hygiene Considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.</p>
9-PHYSICAL AND CHEMICAL PROPERTIES
<p>Appearance: Crystalline</p> <p>Physical State: Solid</p> <p>Form: Solid</p> <p>Color: White</p> <p>Odor: Odorless</p> <p>Odor Threshold: Not available</p> <p>pH: Not available</p> <p>Melting Point/Freezing Point: 194°F (90°C) (loses water)</p> <p>Initial boiling point and boiling range: Not available</p> <p>Flash Point: Not available</p> <p>Evaporation Rate: Not available</p> <p>Flammability (solid, gas): Not available</p> <p>Upper/lower flammability or explosive limits:</p> <p>Flammability limit – lower (%): Not available</p> <p>Flammability limit – upper (%): Not available</p> <p>Explosive limit – lower (%): Not available</p> <p>Explosive limit – upper (%): Not available</p>

<p>Vapor Pressure: Not available Vapor Density: Not available Relative Density: Not available Solubility(ies) – In Water: Very soluble Partition Coefficient (n-octanol/water): Not available Auto-ignition temperature: Not available Decomposition temperature: Not available Viscosity: Not available Other Information: Molecular Formula: LaCl₃ 7H₂O Molecular Weight: 371.37</p>
10-STABILITY AND REACTIVITY
<p>Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport Chemical Stability: Material is stable under normal conditions. Possibility of hazardous reactions: Hazardous polymerization does not occur. Conditions to Avoid: Non known. Contact with incompatible materials. Incompatible Materials: None known. Hazardous Decomposition Products: No hazardous decomposition products are known.</p>
11-TOXICOLOGICAL INFORMATION
<p>Information on likely routes of exposure: Inhalation: No adverse effects due to inhalation are expected. Skin Contact: No adverse effects due to skin contact are expected Eye Contact: Direct contact with eyes may cause temporary irritation. Ingestion: Expected to be a low ingestion hazard. Symptoms Related to the physical, chemical and toxicological characteristics: Information on toxicological effects: Acute toxicity: The toxicological properties of this material have not been fully investigated and its handling and use may be hazardous. Skin Corrosion/Irritation: Prolonged skin contact may cause temporary irritation. Serious Eye Damage/Eye Irritation: None known. Respiratory or skin sensitization: Respiratory Sensitization: Not available. Skin Sensitization: None known. Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects. Specific Target Organ Toxicity: Repeated Exposure: Not classified Aspiration Hazard: Not available</p>
12-ECOLOGICAL INFORMATION
<p>Ecotoxicity: Very toxic to aquatic life with long lasting effects. Product: lanthanum chloride, CAS #10025-84-0) Species: Water flea (Daphnia carinata) Test Results: 0.0432 mg/l, 48 hours Persistence and degradability: None known Bioaccumulative potential: No data available Mobility in soil: No data available Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.</p>

13-DISPOSAL CONSIDERATIONS

Disposal Instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local Disposal Regulations: Dispose in accordance with all applicable regulations.

Hazardous Waste Code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/Unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions)

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain residue, follow label warning even after container is emptied.

14-TRANSPORTATION INFORMATION

DOT: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable

15-REGULATORY INFORMATION

US Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. All components are on the US EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpart D): Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed

SRA 304 Emergency Release Notification: Not regulated

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories:

Immediate Hazard: No

Delayed Hazard: No

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

SARA 302 Extremely Hazardous Substance: Not Listed

SARA 311/312 (TRI Reporting): Not regulated

Other Federal Regulations:

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not Regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not Regulated

Safe Drinking Water Act (SDWA): Not Regulated

US State Regulations:

US California Controlled Substances: CA Dept. of Justice (California Health and Safety Code Section 11100): Not Listed

US Massachusetts RTK – Substance List: Not Regulated

US New Jersey Worker and Community Right To Know Act: Not Listed

US Pennsylvania Worker and Community Right To Know Act: Not Listed

US Rhode Island RTK: Not regulated

US California Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 1986

(Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16-OTHER INFORMATION

Issue Date: July 17, 2015

Disclaimer: Qualco, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's

responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.