

SAFETY DATA SHEET

LA 300 COAGULANT

Revision Date: 8/28/2026

Print Date:

Version: 1.5

SECTION 01 – IDENTIFICATION

Product Identifier	LA 300
Other Means of Identification	Rare Earth Chloride Solution
Product Uses	Coagulant and phosphorus reduction media for water treatment
Details of the Supplier	La Nova Water 67750 Bailey Rd. MT. Pass, California Phone – 469-885-0136
Emergency Information	Chemical Emergency (for spill, leak, fire, exposure, or accident) CHEMTREC: +1 (800) 424-9300 (within the US) +1 (703) 527-3887 (outside the US) Health Emergency: American Assoc. of Poison Control Center (800) 222-1222 (within the US)

SECTION 02 – HAZARDS IDENTIFICATION

Classification of the Substance or Mixture according to the Global Harmonized System (GHS):

Health:

Skin Irritation	:	Category 2
Eye Irritation	:	Category 2B
Environmental	:	None
Physical	:	None

Label Elements:

Hazard Pictogram(s)	:	
Signal Word	:	Warning
Hazard Statements	:	H315 Causes skin irritation H320 Causes eye irritation

SAFETY DATA SHEET

LA 300 COAGULANT

Revision Date: 8/28/2026

Print Date:

Version: 1.5

Precautionary Statements : P264 Wash hands/skin thoroughly after handling

P280 Wear protective gloves / protective clothing / eye protection / face protection

P302+P352 IF ON SKIN: Wash with plenty of water

P303+P351+P338 IN IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific Treatment (see First Aid) on this label

P337+P313 If eye irritation persists, get medical advice/attention.

P362+P364: Take off contaminated clothing, wash before reuse.

Other Hazards : None

SECTION 03 – COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

CAS No.	EC No.	Chemical Name	Percent (% Weight)
7732-18-5	231-791-2	Water	55-73
7790-86-5	232-227-8	Cerium Chloride	13-44
10099-58-8	233-237-5	Lanthanum Chloride	1-22

SECTION 04 – FIRST AID MEASURES

Description of First Aid Measures

Eye : Immediately move the victim away from the source of exposure and into fresh air. If irritation or redness develops, flush eyes with clean water and seek immediate medical attention. For direct contact, immediately hold eyelids apart and flush the effected eye(s) with clean water for at least 20 minutes. Seek immediate medical attention.

Skin : In case of contact, wash skin and/or hair thoroughly with soap and water. Take off all contaminated clothing and wash before reuse. Get medical advice/attention if you feel unwell.

SAFETY DATA SHEET

LA 300 COAGULANT

Revision Date: 8/28/2026

Print Date:

Version: 1.5

Inhalation : No specific first aid measures are required. If exposed to levels above recommended exposure limits, remove person to fresh air and keep comfortable for breathing. Get medical advice and/or attention if you feel unwell.

Ingestion : No specific first aid measures are required. As a precaution, rinse mouth. Do NOT induce vomiting. If exposed or concerned get medical advice/attention.

Most Important Systems and Effect, both Acute and Delayed: See SECTION 11

Indication of Any Immediate Medical Attention and Special Treatment Needed: See SECTION 1

SECTION 05 – FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing media suitable for surrounding area if this material is involved in a fire (e.g., fog, foam, dry chemical, or carbon dioxide). See also SECTION 10.

Specific Hazards Arising from The Substance or Mixture : See SECTION 10

Special Protective Actions for Firefighters : None known. This material is non-combustible.

SECTION 06 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures : Observe personal protective equipment (PPE) advice in SECTION 8.

Environmental Precautions : Avoid contaminating soil or releasing this material into sewage and drainage systems, and bodies of water (surface water or groundwater). See also SECTION 12.

Methods and Material for Containment and Clean Up : Stop the source of the release if you can do it without risk. Eliminate all ignition sources. Spilled material should be swept up as soon as possible, observing precautions in SECTION 8. Where feasible and appropriate, remove contaminated soil. Secure load if safe to do so. For disposal, see SECTION 13.

SAFETY DATA SHEET

LA 300 COAGULANT

Revision Date: 8/28/2026

Print Date:

Version: 1.5

SECTION 07 – HANDLING AND STORAGE

Precautions for safe handling : Wash hands/skin thoroughly after handling. Wear protective gloves / protective clothing / eye protection / face protection.

Conditions for safe storage : Store in original container in a cool, dry, well-ventilated area.

Shelf Life :

Minimum 24 months from date of manufacture when stored in original closed container; may remain suitable beyond 24 months if applicable product specifications continue to be met.

SECTION 08 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure limit values : Not Available

Appropriate Engineering Controls

Work/Hygienic practices : Consider the potential hazards of this material, applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting PPE. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the PPE listed below is recommended.

Ventilation : Ensure adequate ventilation. Additional ventilation or exhaust systems may be required.

Other Equipment : The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances

Individual Protection Measures / Personal Protective Equipment (PPE)

Eye/Face Protection : Wear safety glasses with side shields, chemical goggles, or complete facial protection to safeguard against potential eye contact, irritation, or injury.

Hands/Skin Protection : The use of gloves that are impermeable to the specific material handled or other impervious clothing is advised to prevent skin contact, possible irritation, and skin damage. Selection of protective clothing may include work gloves, apron, boots, and complete facial protection depending on operations conducted.

Respiratory Protection : If exposure to nuisance levels of airborne material occurs when working with this material, wear a NIOSH/MSHA approved respirator that provides protection, such as: High Efficiency Particulate Air (HEPA) respirator and filter cartridge. Use a positive pressure air-supplying respirator if there is a potential for uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not

SAFETY DATA SHEET

LA 300 COAGULANT

Revision Date: 8/28/2026

Print Date:

Version: 1.5

provide adequate protection. Respiratory protection program (e.g., OSHA's 29 CFR 1910.134 and ANSI Z7701) Requirements must be followed whenever workplace conditions warrant a respirator's use.

SECTION 09 – PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Note: The data below are typical values and do not constitute a specification.

Appearance:		Partition Coefficient	
Physical State:	Liquid	n-octanol/water:	Not available
Color:	White to Amber	Auto-ignition temperature:	Not available
Odor/Odor threshold:	Not Available		
pH (as supplied):	3.0 – 4.0	Decomposition temperature:	Not available
Melting/Freezing point:	-40°F	Viscosity:	Not available
Boiling point/range	Not available	Molecular weight:	Not available
Flash point:	Not available	Taste:	Not available
Evaporation rate:	Not available	Explosive properties:	Not available
Flammability:	Non-flammable	Oxidizing properties:	Not available
Upper/lower explosive limits:	Not available	Surface tension:	Not available
Vapor pressure:	Not available	Volatile component:	Not available
Water solubility:	High	Gas group:	Not available
Vapor density (air = 1)	Not available	pH (as solution):	Not available
Specific gravity (water = 1)	1.4 – 1.6 g/cm ³ (solution) @ 20°C (68°F)	VOC:	Not available
Relative density:	Not available	Particle size range:	Not available

Other information: None

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	:	This material is considered non-reactive under normal storage and handling conditions.
Chemical Stability	:	This material is considered non-reactive under normal storage and handling conditions.
Possibility of hazardous reaction:	:	Hazardous polymerization will not occur.
Conditions to avoid	:	Non known.
Incompatible materials	:	Incompatible with oxidizing reagents, can generate chlorine gas.
Hazardous decomposition Products	:	See above.

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely routes of exposure : Eye and skin contact.

Potential signs and symptoms of overexposure : Eye and/or skin irritation.

Information on Toxicological Effects:

Acute oral toxicity : Based on available data, the material does not require classification for acute oral toxicity.

Acute dermal toxicity : Based on available data, the material does not require classification for acute dermal toxicity.

Acute inhalation toxicity : Based on available data, the material does not require classification for acute inhalation toxicity.

Skin corrosion/irritation : Causes skin irritation (Category 2)

Serious eye damage/irritation : Causes eye irritation (Category 2B)

Skin sensitization : Based on available data, the material does not require classification for skin sensitization.

Respiratory sensitization : Based on available data, the material does not require classification for respiratory sensitization.

Germ cell mutagenicity : Based on negative in vitro mutagenicity studies, the material does not require classification for mutagenicity.

Carcinogenicity : The material is not classified by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), and the American Conference of Government Industrial Hygienists (ACGIH).

Developmental/Reproductive Toxicity : Based on available data, the material does not require classification for developmental/reproductive effects.

Specific Target Organ Toxicity (STOT) Single Exposure : Based on available data, the material does not require classification for STOT – single exposure.

Specific Target Organ Toxicity (STOT) Repeated Exposure : Based on available data, the material does not require classification for STOT – repeated exposure.

Aspiration Hazard : Based on available data, the material does not require classification for aspiration hazard.

References

ECHA. 2020. REACH Registered Substances Database.
Lambert, CE and M-L Ledrich. 2014. Lanthanide Series of Metals. Encyclopedia of Toxicology. 43-47.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity: This material is not expected to be harmful to fish, aquatic invertebrates, or algae. Soluble forms of rare earth salts are known to inhibit algal growth by chelating free phosphate.

COMPONENT	SPECIES	TOXICITY
Rare Earth Chloride	Fathead Minnow	96-hour LC50>1,000 mg/L
	Cereodaphnia dubia	48-hour LC50>1,000 mg/L
	Green Algae	IC25=211 mg/L

All aquatic tests were carried out using a static system.

Persistence and Biodegradability : This inert mineral material is not expected to be readily biodegradable. Due to the inorganic nature of the material, biodegradation is not applicable; study is scientifically unjustified.

Bio accumulative potential : No data available.

Mobility in Soil : No data available.

Results of PBT and vPvB Assessment : No data available.

Other adverse effects : None known (none expected).

References:

Lambert, CE and M-L Ledrich. 2014. Lanthanide Series of Metals. Encyclopedia of Toxicology. 43-47.
McDaniel Lambert. 2007. Report to Molycorp on the genotoxicity and aquatic toxicity testing of lanthanum concentrate, leached bastnaesite concentrate, and cerium oxide

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Disposal methods : Do not allow wash water from cleaning or process equipment to enter drains. Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by federal and local laws and should be fully characterized for toxicity prior to disposal (40 CFR 261). Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. Chemical additions, processing or otherwise altering this material may make waste management information presented in the safety data sheet (SDS) incomplete.

SAFETY DATA SHEET

LA 300 COAGULANT

Revision Date: 8/28/2026

Print Date:

Version: 1.5

Container : Place contaminated materials in disposal containers and dispose of contents/container in accordance with local/regional/national/international regulations. Contact local authority if in doubt.

SECTION 14 – TRANSPORT INFORMATION

This mixture is not classified as dangerous goods for transport purposes.

AGENCY:	SHIPPING DESCRIPTION:
DOT	Not regulated as dangerous goods for transport
IMO / IMDG	Not regulated as dangerous goods for transport
ICAO / IATA	Not regulated as dangerous goods for transport

UN number : Not applicable

UN proper shipping name : Not applicable

Transport hazard class(es) : Not applicable

Packing group : Not applicable

Environmental hazards : Not applicable

Special precautions for user : Not applicable

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

SECTION 15 – REGULATORY INFORMATION

Safety, Health and Environmental Regulations:

United States Federal Regulations:

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):

No components in this material are listed.

Clean Water Act (CWA): No components in this material are listed.

Clean Air Act (CAA): No components in this material are listed.

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA 302 Components: No components in this material are subject to reporting requirements of S.302.

SARA 311/312 Hazards: Acute Health Hazard

SARA 313 Components: No components in this material are listed.

U.S. Schedule B : 2846.90.2060 - Mixtures of rare-earth chlorides

SAFETY DATA SHEET

LA 300 COAGULANT

Revision Date: 8/28/2026
Print Date:
Version: 1.5

Toxic Substances Control Act (TSCA): All components in this material are listed on the TSCA inventory.

State and Other:

California: No components in this material are listed under Proposition 65 (CA Health & Safety Code Section 25249.5).

Massachusetts: No components in this material are listed under the Right to Know Act (RTK).

New Jersey: No components in this material are listed under the RTK. **Pennsylvania:** No components in this material are listed under the RTK. **IARC:** No components in this material are classified.

NTP: No components in this material classified.

REGULATORY LISTS SEARCHED:

01-1 =IARC Group 103=EPCRA 313 07=PA RTK

01-2 A=IARC Group 2A04=CA Proposition 65

01-2B=IARC Group 2B05=MA RTK

02=NTP Carcinogen06=NJ RTK

Chemical Safety Assessment: No information available

SECTION 16 – OTHER INFORMATION

This SDS was prepared according to the 2012 US Hazard Communication Standard (29 CFR 1910.1200)

Revision indicator : This is a revised Safety Data Sheet

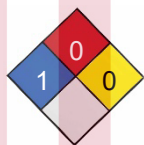
Revision date : August 28, 2026

Company Disclaimer

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

National Fire Protection Association (NFPA) Ratings: This information is provided solely for the use of individuals trained in the NFPA system.

Health: 1
Flammability: 0
Reactivity: 0



SAFETY DATA SHEET

LA 300 COAGULANT

Revision Date: 8/28/2026

Print Date:

Version: 1.5

Abbreviations and Acronyms:

ACGIH: American Conference of Government Industrial Hygienists	LC50: Lethal Concentration 50%
ANSI: American National Standards Institute	LD50: Lethal Dose 50%
API: American Petroleum Institute	MA: Massachusetts
CA: California	MARPOL: International Convention for the Prevention of Pollution from Ships
CAA: Clean Air Act	MSHA: Mine Safety and Health Administration
CAS: Chemical Abstract Service Number	NFPA: National Fire Protection Association
CERCLA: Comprehensive Environmental Response and Liability Act	NIOSH: National Institute for Occupational Safety and Health
CFR: Code of Federal Regulation	NJ: New Jersey
CWA: Clean Water Act	NOS: Not Otherwise Specified
DOT: U.S. Department of Transportation	NTP: National Toxicology Program
EC: European Community	OSHA: Occupational Safety and Health Administration
ECHA: European Chemicals Agency	PS: Pennsylvania
EHS: Extremely Hazardous Substance	PEL: Permissible Exposure Limit
EPCRA: Emergency Planning and Community Right to Know Act	PPE: Personal Protective Equipment
GHS: Global Harmonized System	REL: Recommended Exposure Limit
HEPA: High Efficiency Particulate Air	RTK: Right to Know
IARC: International Agency for Research on Cancer	SARA: Superfund Amendment and Reauthorization Act
IATA: International Air Transport Association	SDS: Safety Data Sheet
IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk	STEL: Short-term Exposure Limit
ICAO: International Civil Aviation Organization (UN)	TLV: Threshold Limit Value
IDLH: Immediately Dangerous to Life or Health	TSCA: Toxic Substances Control Act
IMDG: International Maritime Dangerous Goods	TWA: Time Weighted Average
IMO: International Maritime Organization	UN: United Nations
KOC: Organic Carbon Partition Coefficient	VOC: Volatile Organic Compound
KOW: n-Octanol/Water Partition Coefficient	