		Page: 1
SAFETY DATA SHEET		Revision Date: 18.04.2024
		Print Date: 19.08.2025
		SDS Number: 00000259698
Praestol™ K 2004-LA ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 907075		Version: 2.0

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY OR UNDERTAKING

Product identifier

Trade name : Praestol™ K 2004-LA
™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries

Substance name : Polyaluminium chloride

Substance No.
CAS-No. : 1327-41-9

Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Consult the technical guidelines for the use of this substance/mixture.

Restrictions on use : Consult the technical guidelines for the use of this substance/mixture.

Details of the supplier of the safety data sheet

Company name of supplier Supplier address Solenis Especialidades Químicas Limitada Av. Nueva de Tajamar 481 Of. 1108 Santiago CHILE Chile EHSProductSafetyTeam@solenis.com	Emergency phone in Chile Central de Comunicación de Emergencias: +1 302 502 0991 (Internacional Solenis) 800 550 777 (Suatrans Chile) Telefono del Centro de Información Toxicológica: +56 2 2 247 3600 (CITUC Chile) Toxicology information phone + 56-2 2230 1133 (Customer Service) OR Contact your local Solenis representative
--	---

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Corrosive to metals : Category 1

Serious eye damage : Category 1

Label elements

Hazard pictograms :



SAFETY DATA SHEET

Revision Date: 18.04.2024

Print Date: 19.08.2025

SDS Number: 00000259698

Version: 2.0

Praestol™ K 2004-LA
 ™ Trademark, Solenis or its subsidiaries or affiliates,
 registered in various countries
 907075

Signal word : Danger

Hazard statements : H290 May be corrosive to metals.
 H318 Causes serious eye damage.

Precautionary statements : **Prevention:**
 P234 Keep only in original packaging.
 P280 Wear eye protection/ face protection.

Response:
 P305 + P351 + P338 + P310 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/ doctor.
 P390 Absorb spillage to prevent material damage.

Storage:
 P406 Store in a corrosion resistant container with a resistant inner liner.

Specific classification

Specific labelling : None known.
 Description of hazards : None known.
 Description of specific hazards : None known.
 Other hazards : None known.

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Components

Systematic chemical name	Common Name	CAS-No.	Concentration or range (% w/w)
Aluminiumhydroxidechloride	No data available	1327-41-9	>= 10 - < 20

SECTION 4. FIRST AID MEASURES

Protection of those providing first aid : Move out of dangerous area.
 Consult a physician.
 Show this safety data sheet to the doctor in attendance.
 Do not leave the victim unattended.

If inhaled : If breathed in, move person into fresh air.
 If unconscious, place in recovery position and seek medical advice.
 If symptoms persist, call a physician.

In case of skin contact : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and

SAFETY DATA SHEET

Revision Date: 18.04.2024

Print Date: 19.08.2025

SDS Number: 000000259698

Version: 2.0

Praestol™ K 2004-LA
 ™ Trademark, Solenis or its subsidiaries or affiliates,
 registered in various countries
 907075

water.

- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 Continue rinsing eyes during transport to hospital.
 Remove contact lenses.
 Protect unharmed eye.
- If swallowed : Obtain medical attention.
 Do NOT induce vomiting.
 Do not give milk or alcoholic beverages.
 Never give anything by mouth to an unconscious person.
 If symptoms persist, call a physician.
- Most important symptoms/effects : Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
 stomach or intestinal upset (nausea, vomiting, diarrhea)
 irritation (nose, throat, airways)
 Causes serious eye damage.
- Expected acute effects :
 Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
 stomach or intestinal upset (nausea, vomiting, diarrhea)
 irritation (nose, throat, airways)
- Expected delayed effects :
 Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
 stomach or intestinal upset (nausea, vomiting, diarrhea)
 irritation (nose, throat, airways)
- Notes to physician : No hazards which require special first aid measures.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
 Water spray
 Foam
 Carbon dioxide (CO₂)
 Dry chemical
- Unsuitable extinguishing media : High volume water jet

SAFETY DATA SHEET

Revision Date: 18.04.2024

Print Date: 19.08.2025

SDS Number: 00000259698


Version: 2.0

Praestol™ K 2004-LA
 ™ Trademark, Solenis or its subsidiaries or affiliates,
 registered in various countries
 907075

- Combustion and degradation : hydrogen chloride products
- Thermal decomposition : See Section 10 for any thermal decomposition products, if applicable.
- Specific associated hazards : Do not allow run-off from fire fighting to enter drains or water courses.
- Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
 Product is compatible with standard fire-fighting agents.
- Precautions for emergency personnel and/or firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment.
 Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
 Comply with all applicable federal, state, and local regulations.
- Protection equipment : Comply with all applicable federal, state, and local regulations.
 Comply with all applicable federal, state, and local regulations.
- Emergency procedures : Immediately evacuate personnel to safe areas.
- Environmental precautions : Prevent product from entering drains.
 Prevent further leakage or spillage if safe to do so.
 If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment, Confinement and/or abatement : Keep in suitable, closed containers for disposal.
- Cleaning methods and materials : Keep in suitable, closed containers for disposal.
- Recuperation : No data available
- Neutralization : No data available
- Final disposal : Do not dispose of waste into sewer.

		Page: 5
SAFETY DATA SHEET		Revision Date: 18.04.2024
		Print Date: 19.08.2025
		SDS Number: 00000259698
Praestol™ K 2004-LA ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 907075		Version: 2.0

Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.
Dispose of in accordance with local regulations.

Additional measures to prevent disasters : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Reference to other sections

For further information see Section 8 and Section 13 of the safety data sheet.

SECTION 7. HANDLING AND STORAGE

Handling

Precautions for safe handling : Do not breathe vapours/dust.
Container hazardous when empty.
Avoid contact with skin and eyes.
Smoking, eating and drinking should be prohibited in the application area.
For personal protection see section 8.
Dispose of rinse water in accordance with local and national regulations.

Operational and technical measures : Normal measures for preventive fire protection.

Contact prevention : Wash hands before breaks and at the end of workday.
When using do not eat or drink.
When using do not smoke.

Packaging material : Keep the product in the original container. In case you require the replacement of a damaged container consult the supplier.

Conditions for safe storage, including any incompatibilities

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

Specific end use(s)

Specific use(s) : No data available

SAFETY DATA SHEET

Revision Date: 18.04.2024

Print Date: 19.08.2025

SDS Number: 00000259698

Version: 2.0

Praestol™ K 2004-LA
 ™ Trademark, Solenis or its subsidiaries or affiliates,
 registered in various countries
 907075

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible maximum concentration	Basis
Aluminiumhydroxidechloride	1327-41-9	LPP	1,75 mg/m ³ (Aluminium)	CL OEL

Appropriate technical controls : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Eye/face protection : Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist.
 Maintain eye wash station in immediate work area.

Skin protection : Wear as appropriate:
 Impervious clothing
 Safety shoes
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.
 Wear resistant gloves (consult your safety equipment supplier).

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Appearance : liquid

Colour : light yellow, brown

Odour : No data available

Odour Threshold : No data available

SAFETY DATA SHEET

Revision Date: 18.04.2024

Print Date: 19.08.2025

SDS Number: 00000259698

Version: 2.0

Praestol™ K 2004-LA
™ Trademark, Solenis or its subsidiaries or affiliates,
registered in various countries
907075

pH	:	3,5 - 4,5 Concentration: 1 %
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Vapour density	:	No data available
Relative density	:	No data available
Density	:	1,36 g/cm ³ (25 °C)
Solubility(ies) Water solubility	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Decomposition temperature	:	No data available
Viscosity Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Oxidizing properties	:	No data available
Other information Self-ignition	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	Stable under recommended storage conditions.

SAFETY DATA SHEET

Revision Date: 18.04.2024

Print Date: 19.08.2025

SDS Number: 000000259698

Version: 2.0

Praestol™ K 2004-LA
™ Trademark, Solenis or its subsidiaries or affiliates,
registered in various countries
907075

Possibility of hazardous reactions : Product will not undergo hazardous polymerization.

Conditions to avoid : excessive heat

Incompatible materials : aluminum
Bases
brass
Copper
galvanized metals
Iron
steel
Zinc

Hazardous decomposition products : Hydrogen chloride gas

SECTION 11. TOXICOLOGICAL INFORMATION**Information on toxicological effects****Acute toxicity (LD50 and LC50)**

Not classified based on available information.

Product:

Acute oral toxicity : LD50 Oral(Rat): > 5.000 mg/kg

Acute inhalation toxicity : (Rat): 6,1 mg/l
Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal(Rat): > 5.000 mg/kg

Components:**Aluminiumhydroxidechloride:**

Acute oral toxicity : LD50 (Rat): 12.800 mg/kg

Skin corrosion/irritation


Not classified based on available information.

Components:**Aluminiumhydroxidechloride:**

Species : Rabbit
Method : OECD Test Guideline 404
Result : Not irritating to skin

Serious eye damage/eye irritation

Causes serious eye damage.

		Page: 9
SAFETY DATA SHEET		Revision Date: 18.04.2024
		Print Date: 19.08.2025
		SDS Number: 00000259698
Praestol™ K 2004-LA ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 907075		Version: 2.0

Product:

Remarks : May cause irreversible eye damage.

Components:

Aluminiumhydroxidechloride:

Result : Corrosive to eyes

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Specific particular organ toxicity - single exposure

Not classified based on available information.

Specific particular organ toxicity - repeated exposure

Not classified based on available information.

Inhalation hazard

Not classified based on available information.

Further information

Product:

Remarks : No data available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Product:

Toxicity to fish : LC50 (Gambusia affinis (Mosquito fish)): 134 mg/l
Exposure time: 96 h

Persistence and degradability

No data available

Bioaccumulative potential

No data available

SAFETY DATA SHEET

Revision Date: 18.04.2024

Print Date: 19.08.2025

SDS Number: 00000259698

Version: 2.0

Praestol™ K 2004-LA
 ™ Trademark, Solenis or its subsidiaries or affiliates,
 registered in various countries
 907075

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Waste from residues : Do not dispose of waste into sewer.
 Do not contaminate ponds, waterways or ditches with chemical or used container.
 Send to a licensed waste management company.

Dispose of in accordance with local regulations.

Contaminated packaging, and contaminated material : Empty remaining contents.
 Dispose of as unused product.
 Empty containers should be taken to an approved waste handling site for recycling or disposal.
 Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

UN number : UN 1760
 Proper shipping name : Corrosive liquid, n.o.s. (POLYALUMINUM CHLORIDE HYDROXIDE)

Class : 8
 Packing group : III
 Packing instruction (cargo aircraft) : 856
 Packing instruction (passenger aircraft) : 852

IMDG-Code

UN number : UN 1760
 Proper shipping name : CORROSIVE LIQUID, N.O.S. (POLYALUMINUM CHLORIDE HYDROXIDE)

Class : 8
 Packing group : III
 EmS Code : F-A, S-B
 Marine pollutant : no

SAFETY DATA SHEET

Revision Date: 18.04.2024

Print Date: 19.08.2025

SDS Number: 00000259698

Version: 2.0

Praestol™ K 2004-LA
™ Trademark, Solenis or its subsidiaries or affiliates,
registered in various countries
907075

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

National Regulations

UN number : UN 1760
Proper shipping name : CORROSIVE LIQUID, N.O.S. (POLYALUMINUM CHLORIDE HYDROXIDE)
Class : 8
Packing group : III
Hazard Identification Number : 80
Marine pollutant : no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION**National regulations**

Chile. Decree 190. Carcinogenic Substances, Hazardous Waste Management. : Not applicable


Decree 1358 - Establishment of rules governing the control measures of precursors and essential chemicals. : Not applicable

Other regulations

Decree 43/2015, Approving Regulation on Storage of Hazardous Substances
NCh 2245:2021 Safety data sheet for chemical products - Content and order of sections
NCh 2190:2019 Land transport of dangerous goods - Hazard identification marks
NCh 382:2021 Dangerous Goods – Classification
Decree 57 of 2019, Regulation on Classification, Labeling, and Notification of Hazardous Chemicals and Mixtures
D.S. 148/03 Sanitary Regulation on hazardous wastes handling
D.S. 298/94 Regulation on transport of hazardous cargo on streets and roads
D.S. 594/99 Regulation on sanitary and environmental basic conditions at work places
Resolution 408/16 Exempt, Approving List of Health Hazardous Substances

International Regulations**The components of this product are reported in the following inventories:**

TCSI : On the inventory, or in compliance with the inventory
TSCA : All substances listed as active on the TSCA inventory
AIIC : On the inventory, or in compliance with the inventory
DSL : All components of this product are on the Canadian DSL

		Page: 12
SAFETY DATA SHEET		Revision Date: 18.04.2024
		Print Date: 19.08.2025
		SDS Number: 00000259698
Praestol™ K 2004-LA ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 907075		Version: 2.0

ENCS : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

The receiver should verify the possible existence of legal regulations applicable to chemical.

SECTION 16. OTHER INFORMATION

Further information


Date format : dd/mm/yyyy

Full text of other abbreviations

CL OEL : Chile. Regulation on basic sanitary and environmental conditions in the workplace

CL OEL / LPP : Time Weighted Limit Value

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recom-

 Strong bonds. Trusted solutions.		Page: 13
SAFETY DATA SHEET		Revision Date: 18.04.2024
		Print Date: 19.08.2025
		SDS Number: 00000259698
Praestol™ K 2004-LA ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries 907075		Version: 2.0

recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Sources of key data used to compile the Safety Data Sheet

Key literature references and sources of data

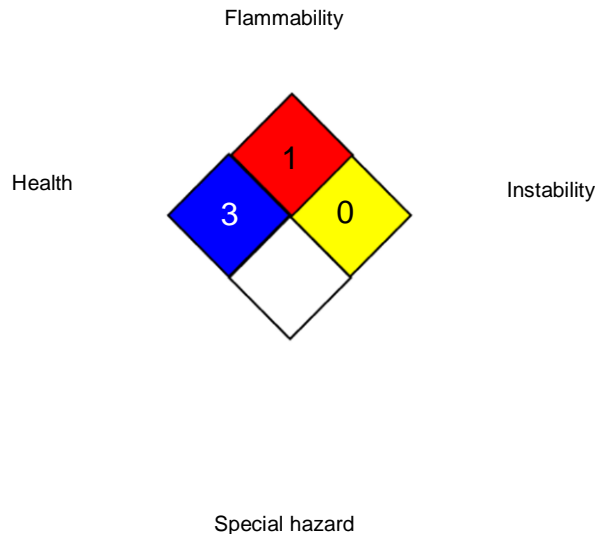
SOLENIS Internal data

SOLENIS internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This SDS has been prepared by the Solenis Environmental Health and Safety Department.

Safety signal according to NCh1411/4 :



NCh1411/4 ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

CL / EN