

SAFETY DATA SHEET (SDS)

ALOMYXA® — Bacterial Inoculant | Soluble Suspension | For Agricultural Use

ALOPROT S.A. of C.V.
www.nutrisurco.com

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May 5, 2026	11	May 5, 2026



BACTERIAL INOCULANT | SOLUBLE SUSPENSION | FOR AGRICULTURAL USE
OMRI Listed Certified® — Approved for Certified Organic Production (USDA NOP)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer	ALOPROT S.A. de C.V.
Address	Sierra de la Canela 305, Bosques del Prado Norte, C.P. 20127 Aguascalientes, Aguascalientes, Mexico
Website	www.nutrisurco.com
Product name	ALOMYXA®
Intended use	Bacterial inoculant / Plant Growth-Promoting Rhizobacteria (PGPR)
Chemical composition	Aqueous suspension of <i>Bacillus amyloliquefaciens</i> fermentation broth (proprietary strain, ALO-2010) enriched with organic seaweed extract (<i>Macrocystis pyrifera</i>)
Other designations	Bacterial inoculant / PGPR
Emergency contact	Contact the local poison control center or emergency services

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Main microorganism: *Bacillus amyloliquefaciens* (Proprietary train, ALO-2010)

Active components:

- *Bacillus amyloliquefaciens* — viable vegetative cells and bacterial endospores of a proprietary strain, ALO-2010
- Guaranteed minimum concentration: 1.0×10^8 CFU/mL
- Organic seaweed extract (*Macrocystis pyrifera*)

Inert ingredients:

- Aqueous solution with stabilizing components (balance to 100%)

Ingredients not specifically identified are proprietary and/or non-hazardous. Product of biological origin.

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SECTION 3. HAZARD IDENTIFICATION

Proprietary liquid formulation containing biologically beneficial microorganisms for agricultural use. The ingredients are not considered hazardous under normal conditions of use. Not classified as a pathogenic biological agent according to generally accepted agricultural biosafety criteria.

3.1 General Emergency Description

ALOMYXA® is a turbid light green liquid formulation. Not classified as hazardous according to the Globally Harmonized System (GHS), with a characteristic fermentative and slightly acidic odor. Product intended for use as a biofertilizer and plant growth promoter. No specific antidote exists. Treat symptomatically. Seek medical attention immediately if symptoms persist.

3.2 Potential Acute Health Effects

- Skin contact: mildly irritant
- Eye contact: mildly irritant
- Inhalation: may cause mild respiratory irritation upon prolonged exposure or at elevated concentrations
- Ingestion: low risk under normal conditions of use

SECTION 4. FIRST AID MEASURES

General: As a product derived from beneficial microorganisms obtained through controlled fermentation, it presents a low level of risk. In the event of irritation or discomfort during handling, seek medical attention. As with any agricultural product, appropriate personal protective equipment (PPE), including safety glasses, gloves, and a face mask or respirator, should be used. No specific antidote is known; treatment should be directed toward symptom management.

Eye contact:

Immediately rinse with plenty of clean water for at least 15 minutes while holding the eyelids open. If irritation persists, seek medical attention.

Skin contact:

Remove contaminated clothing and footwear. Wash the affected skin thoroughly with soap and water, including the hair and under the fingernails. Do not apply medicated products unless directed by a physician.

Inhalation:

Move the affected person to an area with fresh air and allow them to rest in a comfortable position. Seek medical attention if adverse symptoms develop or persist.

Ingestion:

The product is not considered harmful if ingested in small quantities. Rinse the mouth thoroughly with plenty of water. Do not induce vomiting in an unconscious person. Seek medical attention if adverse symptoms occur.

Note for first aid personnel:

Wear nitrile or rubber gloves to prevent skin staining while aiding.

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SECTION 5. FIREFIGHTING MEASURES

The material described herein is neither flammable nor explosive.

- Suitable Extinguishing Media: Water spray, dry chemical powder, carbon dioxide (CO₂), or foam
- Specific Hazards Arising from the Product: None known
- Special Protective Equipment for Firefighters: Standard protective equipment

SECTION 6. ACCIDENTAL RELEASE MEASURES

For Personnel Not Trained in Emergency Response:

Do not act without appropriate training. Evacuate and ventilate the affected area. Avoid inhalation of vapors, mists, or aerosols. Wear chemical safety goggles, rubber gloves, rubber boots, and protective head covering.

For emergency Responders:

Stop the leak if it can be done safely. Wear appropriate personal protective equipment (PPE) (see Section 8).

Environmental Precautions:

In the event of a significant spill, prevent the material from entering drains, surface waters, groundwater, or soil.

Methods and Materials for Containment and Cleanup

- Small Spills: Clean up with water while preventing direct discharge into drains or bodies of water.
- Large Spills: Contain the spill using sand, sawdust, absorbent clay, or similar absorbent materials. Collect and transfer the material into properly labeled containers for safe disposal. After removal, clean the affected area with water. Note: The product may stain concrete surfaces.
- Recovery: As a biofertilizer, recovered product may be applied to agricultural fields provided it has not become contaminated.

SECTION 7. HANDLING AND STORAGE

Handling recommendations:

- Handle in well-ventilated areas.
- Use appropriate personal protective equipment (PPE).
- Avoid direct discharge into drains, waterways, aquifers, surface water, or groundwater.
- In the event of irritation, seek medical attention.
- Keep out of reach of children.
- Do not mix with bactericides, disinfectants, or biocides, as these may adversely affect the viability of the microorganisms present in the formulation.
- Follow standard hygiene and housekeeping practices applicable to agricultural products.

Personal hygiene:

- Do not eat, drink, or smoke in work areas or while handling the product.
- Wash hands thoroughly with soap and water after handling.
- Remove contaminated clothing and personal protective equipment before eating, drinking, or smoking.

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Storage recommendations:

- Store in a cool, dry, and well-ventilated area away from direct sunlight and heat sources.
- Keep containers tightly closed in their original labeled packaging.
- Protect from freezing and extreme weather conditions.
- Keep away from food, beverages, and animal feed.
- Do not store together with chemical pesticides, disinfectants, or biocides.
- Shelf Life: Use before the expiration date printed on the product label. Store at temperatures below 86°F (30°C).

Specific end use:

Biofertilizer and plant growth promoter intended for use in agriculture and horticulture. Compatible with fertigation, drench, and spray application systems.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Eye protection: approved safety goggles to prevent contact with particulate matter; emergency eyewash station should be available.
- Hand protection: nitrile gloves or other chemical-resistant material.
- Respiratory protection: no special protection required under normal conditions of use. In enclosed spaces or when handling large quantities, usar respirador de partículas con filtros adecuados. Garantizar ventilación suficiente.
- Body protection: standard work clothing appropriate for the work environment.

Industrial hygiene:

- Change contaminated clothing immediately.
- Apply barrier protective cream as a preventive measure.
- Wash hands and exposed skin after working with the product.

Environmental exposure controls:

Prevent the product from reaching surface or groundwater. Verify pH and absence of surfactants before discharging to soil.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid (turbid suspension)
Color	Turbid light green
Odor	Fermentative, slightly acidic
pH	6.0 – 7.5
Water solubility	Completely water-dispersible
Density	1.0 – 1.1 g/mL
Corrosivity	Non-corrosive

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Flammability	Non-flammable
Flash point	Not applicable
Vapor pressure	Not determined
Evaporation rate	Not determined
Stability	Stable under normal temperature and pressure conditions

SECTION 10. STABILITY AND REACTIVITY

- Stability: stable under normal storage conditions.
- Hazardous polymerization: will not occur under normal conditions of use.
- Hazardous decomposition products: combustion may generate toxic fumes (CO₂, CO, and NO_x).
- Biodegradability: readily biodegradable under natural environmental conditions.
- Incompatibilities: strong acids, strongly alkaline compounds, oxidizing agents, disinfectants, bactericides, and biocides may inactivate the active microbial ingredients.
- Condiciones a evitar: luz solar directa, calor extremo, llamas abiertas, fuentes de ignición and las sustancias incompatibles anteriores. Temperaturas inferiores a 0 °C o superiores a 50 °C.

SECTION 11. TOXICOLOGICAL INFORMATION

Active substance: fermentation broth of *Bacillus amyloliquefaciens* (proprietary strain, ALO-2010).

Acute toxicity (oral)	No specific data available for the formulation; information based on similar microorganisms indicates low toxicological risk
Acute toxicity (dermal)	May cause mild skin irritation
Acute toxicity (inhalation)	No specific data available for the formulation; information based on similar microorganisms indicates low toxicological risk
Corrosivity/irritación cutánea	Mildly irritant
Serious eye damage/irritation	May cause mild eye irritation
Respiratory/skin sensitization	No specific data available for the formulation; information based on similar microorganisms indicates low toxicological risk
Germ cell mutagenicity	No specific data available for the formulation; information based on similar microorganisms indicates low toxicological risk
Carcinogenicity	No specific data available for the formulation; information based on similar microorganisms indicates low toxicological risk
Reproductive toxicity	No specific data available for the formulation; information based on similar microorganisms indicates low toxicological risk
Repeated dose toxicity	No specific data available for the formulation; information based on similar microorganisms indicates low toxicological risk

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SECTION 12. ECOLOGICAL INFORMATION

- **Biodegradability:** The active components are readily biodegradable under natural environmental conditions.
- **Bioaccumulation:** Bioaccumulation is not expected.
- **Effects on Soil and Water:** Compatible with beneficial soil microbiota and promotes rhizosphere biodiversity.
- **Other Adverse Effects:** No ozone depletion potential, photochemical ozone creation potential, or global warming potential has been identified. No other adverse environmental effects are expected.

SECTION 13. DISPOSAL CONSIDERATIONS

All disposal practices must comply with applicable local, state, and federal regulations.

- Do not discharge into sewers, soil, or any body of water.
- Do not reuse product packaging. Dispose of packaging and waste in accordance with applicable health and environmental regulations.
- Empty containers may be recycled after triple rinsing.
- Spray equipment rinse water may be applied to agricultural soil.
- Never use empty containers to store food or water.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as a hazardous material for transport by any mode (road, rail, air, or sea).

UN Number	Not applicable
Proper shipping name	Not applicable
Hazard class	Not applicable
Packing group	Not applicable
Marine pollutant	No

SECTION 15. REGULATORY INFORMATION

Environmental regulations:

This formulation does not contain hazardous air pollutants or substances classified as toxic or priority under applicable environmental regulations.

Occupational safety regulations:

This product is manufactured and marketed in compliance with the applicable occupational health and safety regulations in Mexico, including NOM-018-STPS and other relevant standards, and is formulated in accordance with the criteria of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

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Organic certification:

ALOMYXA® Bacterial Inoculant holds OMRI Listed certification® and is approved for use in certified organic production in accordance with the USDA National Organic Program regulations.

Certificate: <https://www.omri.org/mfg/aot/certificate/20524>

SECTION 16. OTHER INFORMATION

ALOPROT S.A. de C.V. provides the information contained in this document in good faith and in compliance with applicable occupational safety and health regulations. To the best of our knowledge, the information is accurate as of the date of issue. However, ALOPROT S.A. de C.V. assumes no responsibility for the accuracy or completeness of the information provided herein.

The final determination of the suitability of any material for a specific use is the sole responsibility of the end user. All materials may present unknown health hazards and should be handled with appropriate caution. Although certain hazards are described in this document, we cannot guarantee that they are the only ones that exist.

FOR AGRICULTURAL USE ONLY.

“Natural innovation for harvests with a future”

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