



## 1. IDENTIFICATION OF PRODUCT AND MANUFACTURER

- 1.1 COMMERCIAL BRAND: BIOAMINO-L®
- 1.2 Type: Biological Soil Activator, Amendment.
- 1.3 Chemical Family: Organic Amendment
- 1.4 Manufacturer: Pesquera Pacific Star S.A.
- 1.5 RUT: 96.831.480-7
- 1.6 Address: Bernardino 1.990 P. Industrial San Andrés. Puerto Montt, Chile.
- 1.7 Phone: +56 / 2 / 26763361
- 1.8 Distributor: AminoChem SA
- 1.9 RUT: 76.361.469-7
- 1.10 Address: Av. Bello Horizonte 869, Of. 304-Rancagua-Chile.
- 1.11 Phone: +56 / 2 / 2676336
- 1.12 Phone incase of emergency: +56 / 65 / 2488207

## 2. COMPOSITION

- 2.1 Chemical Name: Organic Amendment
- 2.2 Composition: Polipeptides (36% w/w); Organic Matter (50% w/w); Total Nitrogen (5% w/w); Available Phosphate (1% P<sub>2</sub>O<sub>5</sub> w/w); Soluble Potassium (0,5% K<sub>2</sub>O w/w)+ M.E
- 2.3 CAS #: Not applicable
- 2.4 UN #: Not classified

## 3. HAZARDS

- 3.1 Brand label: BIOAMINO-L®
- 3.2 Main Hazards: Not significant, but possibility of slight dermatitis in sensitive skins.
- 3.3 Human Hazards: Non hazardous.
- 3.4 Enviromental Hazards: Non hazardous, it is biodegradable.
- 3.5 Product: Non toxic.

## 4. EMERGENCY AND FIRST AID PROCEDURES

- 4.1 Inhalation: Minimal risk. Incase of over exposition, move to fresh air. Obtain medical attention.
- 4.2 Skin: Remove contaminated clothing and wash affected skin with water.
- 4.3 Eyes: Immediately flush eyes with water for at least 15 minutes, holding eye lids open. Obtain medical attention if irritation persists.
- 4.4 Swallowing: Dilute by drinking large amounts of water. Do not induce vomiting. Get immediate medical assistance.



## 5. FIRE FIGHTING MEASURES

- 5.1 Hazard of Fire and Explosion: Low risk of flammability.
- 5.2 Safety equipment: Wear positive pressure self-contained breathing apparatus and full protective clothing.
- 5.3 Extinguishing Media: Water spray, foam, dry powder, CO<sub>2</sub>.

## 6. SPILL OR LAEK PROCEDURES

- 6.1 Personal precautions: Keep far from the area all persons not related with the emergency. Avoid inhalation, contact with skin and eyes. Use protective gloves.
- 6.2 Environmental protection: Avoid contamination of water sources with crude material.
- 6.3 Cleaning / recovery procedure: Contain spill, recover by absorbing on sand or clay and place in a container suitable for proper disposal. Clean with water.

## 7. HANDLING AND STORAGE

- 7.1 Handling: Keep areas ventilated. Keep procedures for handling of chemical products.
- 7.2 Prevention of fire and explosion: Keep far from fire which can heat the product.
- 7.3 Storage: Product must be stored on platform in cool and ventilated place with spill proof guardrails.

## 8. CONTROL TO EXPOSITION / PERSONAL PROTECTION

- 8.1 Complimentary indications for installations: Please refer to 7.3.
- 8.2 Components which has limit value: Exposition limit : Not Assigned; TLV/TWA: Not assigned
- 8.3 Complimentary indications: None.
- 8.4 General protection measures: discard and clean contaminated clothes, no value of ventilation is required.
- 8.5 Respiration: Mask suitable for organic vapor.
- 8.6 Hands: Neoprene or PVC gloves.
- 8.7 Eyes: Safety glasses or goggles full face mask.



## 9. PHYSICAL /CHEMICAL PROPERTIES

- 9.1 Appearance: Liquid
- 9.2 Color: Brown
- 9.3 Odor: Sea odor
- 9.4 pH (1gr/Lt): 3.5-4
- 9.5 Freezing temp.: approx. 0 ° C
- 9.6 Boiling Temperature: > 100 ° C
- 9.7 Flashing Temperature: Not available.
- 9.8 Auto-flashing: No applicable
- 9.9 Flashing point: Not available.
- 9.10 Explosion hazard: No
- 9.11 Specific gravity: 1,15 gr./cm<sup>3</sup>
- 9.12 Water solubility: Soluble in any ratio

## 10. STABILITY Y REACTIVITY

- 10.1 Stability: Stable in normal conditions.
- 10.2 Hazardous reactions: None.
- 10.3 Material to avoid: Strong oxidation agents and strong alkali.
- 10.4 Hazardous decomposition products: Not known.

## 11. TOXICOLOGIC INFORMATION

- 11.1 Toxicity (acute): Non Toxic.
- 11.2 Effects on health:
  - Skin: possibility of dermatitis due to occasional contact is minimum.
  - Eyes: It can cause transient irritation.
  - Swallowing: It can cause irritation in mouth, throat and digestive tract. No acute toxicity.
  - Inhalation: It can cause irritation in respiratory tractile. Protection is not used in closed environments.

## 12.- ECOLOGICAL INFORMATION

- 12.1 Mobility: Due to product is liquid possibility of runoff increase. Avoid contamination of water streams.
- 12.2 Air: Not applicable.
- 12.3 Water: Important solubility and mobility
- 12.4 Sediment: Important solubility and mobility
- 12.5 Bioaccumulation: None



### 13.- REGARDING DISPOSAL

This material must be disposed of according to Local disposal procedures. Dilute with large quantities of water. Containers washed by plenty of water can be recycled according to the local recycling rules.

### 14.- INFORMATION REGARDING TRANSPORTATION

- 14.1 Land transportation DOT: This product is not classified as hazardous product for transportation
- 14.2 Shipping IMDG: This product is not classified as hazardous product for transportation
- 14.3 Air transportation ICAO/IATA: This product is not classified as hazardous product for transportation

### 15. REGULATORY INFORMATION

Phrase regarding risk  
Do not eat, drink, and smoke during handling  
Use always personal protection: gloves and goggles.  
Wash with soap and water after application.  
It could cause irritation in eyes.  
Keep out of reach of children.  
Do not store with food, feed or clothes.  
Do not store in homes.

### 16. OTHER INFORMATION

Indications are based on our present knowledge and Chilean rules, but it must not be taken as warranty of properties of the product and it does not generate any legal contractual binding.