

SAFETY DATA SHEET

PREPARATION DATE: MARCH 1, 2001

REVIEW DATE: OCTOBER 19, 2018

VERSION: 01

SECTION 1 IDENTIFICATION OF THE HAZARDOUS CHEMICAL SUBSTANCE OR MIXTURE AND OF THE SUPPLIER OR MANUFACTURER

TRADE NAME: 	PRODUCT DESCRIPTION: Inorganic fertilizer.	
MANUFACTURER'S NAME: Laboratorios Agroenzymas S. A. de C. V.	OTHER INFORMATION: It is a product for plant nutrients and is not a pesticide. In case of emergency, please call Tel. +52 5579786122	
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SECTION 2 HAZARD IDENTIFICATION

CLASSIFICATION OF THE HAZARDOUS CHEMICAL SUBSTANCE OR MIXTURE, ACCORDING TO THE GHS.	
Identification of the hazardous chemical or mixture	
Caution pictogram or hazard symbol name	(NO SYMBOL) (Pictogram not applicable According to the Globally Harmonized System classification)
Signal word	ATTENTION
H identification codes and their hazard statement(s)	H303 May be harmful if swallowed (Hazard Category 5). H320 Causes eye irritation (Hazard Category 2B).
P identification codes and their precautionary statements	P270 Do not eat, drink, or smoke while handling. P305 + P352 + P338 IN CASE OF CONTACT WITH EYES: Rinse with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 3 COMPOSITION / INFORMATION ON COMPONENTS

COMPONENTS	% w/w	CAS	SPECIAL	EPP
Nitrogen	4,0000	7727-37-9		See section 8
Phosphorus as P ₂ O ₅	2,0000	1314-56-3		
Potassium as K ₂ O	7,0000	1314-56-3		
Sulfur	1,0000	7704-34-9		
Iron	0,6000	7439-89-6		
Molybdenum	0,0075	1313-27-5		
Zinc	0,1000	7440-66-6		
Manganese	0,4000	7439-96-5		
Magnesium	0,0400	7439-95-4		
Copper	0,0070	7440-50-8		
Boron	0,0040	7440-42-8		
Cobalt	0,0027	7440-48-4		
Diluents and conditioners q.s.p.c.	84,8388	NA		

CAS = Chemical Abstracts Service

EPP = Personal protective equipment

NA= Not Applicable

SECTION 4 FIRST AID

- a) EYE CONTACT:** Rinse for 15 minutes with plenty of water.
- b) SKIN:** Remove contaminated clothing and wash the affected area with plenty of soap and water.
- c) INGESTION:** If the victim is conscious, give them plenty of water to drink and do not induce vomiting; seek medical attention.
- d) INHALATION:** Move the victim to fresh air and, if necessary, loosen clothing, keep him or her at rest and monitor his or her breathing.
- 1. POISONING:** If necessary, take the patient to the doctor and show this sheet.
- 2. DATA FOR PHYSICIAN:** Symptomatic treatment. Depending on the amount ingested, it can cause cyanosis, depression and difficulty breathing.
- 3. ANTIDOTE (DOSAGE, IF AVAILABLE):** None because the product is not a pesticide; it is only recommended, if necessary, to consult the label of the pesticide used in the mixture.

SECTION 5 FIRE PREVENTION MEASURES

APPROPRIATE EXTINGUISHING MEDIA:

The product **is not flammable**; however, if the product is not directly involved in the fire, use appropriate extinguishing means according to the surrounding materials. If it is directly involved in the fire, dry chemical powder is recommended.

SPECIAL HAZARDS:

Do not transport with food, fodder, or clothing.

HAZARDS OF THERMAL DECOMPOSITION AND DECOMPOSITION PRODUCTS:

Products generated if the product catches fire: water, carbon dioxide, and carbon monoxide.

SPECIFIC METHODS FOR FIRE FIGHTING:

Always attack the fire with the wind, never with your back to the fire.

SPECIAL PROTECTION AGAINST FIRE FIGHTING:

Firefighting safety equipment, full-face respirator, and rubber boots. If the fire has spread over an area of 4m², do not risk your life and let the firefighters handle the fire

SECTION 6 MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL SPILL OR LEAK

PERSONAL PRECAUTIONS:

For product handling, always use the EPP specified in Section 8.

ENVIRONMENTAL PRECAUTIONS:

Prevent the product from coming into contact with sewer networks.

CLEANING METHODS:

Try to recover most of the product, wash the area with plenty of water. For these activities, consider section 8, as well as the instructions for other products used in the mixture.

SECTION 7 HANDLING AND STORAGE

HANDLING:

Always use the EPP established in Section 8, do not consume food while handling it, and wash your hands properly after handling it.

STORAGE:

Store the product at temperatures below 40°C.

Keep the product in its original tightly closed container in a cool, ventilated place.

Keep the product away from food and medicine.

Any prepared solution or rinse water that cannot be used must be disposed of in accordance with local laws and/or procedures. Follow the same procedure for the containers.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES:

Have eye washing stations or devices available in case of accidental contact, and the area where the product is handled must be ventilated.

PERSONAL PROTECTIVE EQUIPMENT:

EYES: Safety glasses with side shields.

HANDS: Rubber gloves.

INHALATION: No protection.

OTHER: Rubber boots and long-sleeved clothing.

It is recommended to use it for the preparation of the mixture, loading of the equipment, and application. If any pesticide is used in the mixture, consider its recommendations.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	LIQUID	COLOR	BROWN	ODOR	CHARACTERISTIC
DENSITY (25°C):	1,1779 - 1,2142 g/ml	pH (direct) at 25°C:	2,00 – 2,88		
VAPOR PRESSURE:	20,684X10 ³ Pa	SUPERFICIAL TENSION (22°C):	N. D.		
BOILING POINT AT 84,791X10³ Pa	102 °C	WATER SOLUBILITY:	TOTAL, at the recommended doses		

SECTION 10 STABILITY AND REACTIVITY

The product is stable under normal conditions of use.
Avoid exposure to light and high temperatures.
Incompatible with acidic and alkaline products.
The product is **not corrosive**.
Polymerization is unlikely.
Products generated if the product ignites: water, carbon dioxide, and carbon monoxide.

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

FROM ACUTE EXPOSURE

If the product comes into contact with skin and eyes, it may cause mild irritation.
If ingested, it may cause irritation to the digestive tract.

FROM CHRONIC EXPOSURE

If inhaled, it may cause respiratory irritation or headache.
Prolonged and repeated skin contact may cause dermatitis.
Chronic inhalation and ingestion may cause effects similar to those of acute exposure.

SECTION 12 ECOTOXICOLOGICAL INFORMATION

Avoid contact with sewage systems.
It is biodegradable, so it does not contaminate soil, water, or air, nor does it negatively affect terrestrial or aquatic flora and fauna or beneficial insects.

SECTION 13 INFORMATION REGARDING THE DISPOSAL OF PRODUCTS

Triple-rinse containers containing the product used, then pierce them to prevent reuse and dispose of them according to local regulations.
Unused prepared solution or rinse water must be disposed of in accordance with local laws and/or procedures.

SECTION 14 TRANSPORTATION INFORMATION

Product not regulated by the International Air Transport Association (IATA) and the Department of Transportation (DOT) as it is a non-hazardous material.
By land; Ministry of Communications and Transportation, in the General Cargo category.
Do not transport with food, feed, or clothing.
Consider this product for agricultural use.
Transport at temperatures no higher than 40°C in its original, well-labeled, and closed container.

SECTION 15 REGULATORY INFORMATION

Labeling:

Regulations: NOM-182-SSA1-2010 Labeling of plant nutrients.

Product Identification: According to standard NOM-018-STPS-2015.

Hazard Symbols and Identifications: None.

Risk/Health Phrases: According to standard NOM-018-STPS-2015.

SECTION 16 OTHER INFORMATION INCLUDING INFORMATION RELATING TO THE PREPARATION AND UPDATING OF SAFETY DATA SHEETS

Information provided by Laboratorios Agroenzymas S. A. de C. V.

Version 01

Replacement Version 00

Review date 19/10/18

Reason for Review: Update to NOM-018-STPS-2015.

The information in this Safety Data Sheet is considered correct but is not exhaustive and is to be used only as a guide, which is based on the current knowledge of the chemical substance or mixture and is applicable to the safety precautions appropriate for the product.