

SAFETY DATA SHEET

PREPARATION DATE: OCTOBER 1, 2008

REVIEW DATE: JULY 11, 2023

VERSION: 02

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

TRADE NAME: PENETRANTE - EMULSIFICANTE 	PRODUCT DESCRIPTION: Co-adjutant, penetrant, dispersant, wetting agent and antifoaming agent.	
MANUFACTURER'S NAME: Laboratorios Agroenzymas S. A. de C. V.	OTHER DATA: 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	PENETRANTE - EMULSIFICANTE 
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 + P351 + P338 IN CASE OF CONTACT WITH EYE: 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
Nonionic surfactant blend	29,9	NA		See section 8
Diocetyl sulfosuccinate	2,3	577-11-7		
Diluents and conditioners	67,8	NA		

CAS = Chemical Abstracts Service

EPP = Personal protective equipment

NA= Not Applicable

SECTION 4 FIRST AID

- a) EYE AND SKIN CONTACT:** Rinse for 15 minutes with plenty of water.
- b) INGESTION:** Remove contaminated clothing and wash the affected area with plenty of soap and water.
- c) INHALACION:** 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
- 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 THICK LIQUID WITH SLIGHT FOAM ON THE SURFACE	COLOR GREEN	ODOR CHARACTERISTIC
DENSITY (25°C): 1,1100 -1,1300 g/ml	pH (direct at 25°C): 5,0 - 8,0	
BOILING POINT: 98°C	FLASH POINT: N. A.	
SOLUBILITY IN WATER: COMPLETE	VAPOR PRESSURE: 96.52X10 ² Pa (25°C)	
SURFACE TENSION: 28,1 mN/m	VISCOSITY (25°C): 175 – 308.5 mPa.s	

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 irritation. If ingested, it may cause irritation to the digestive tract. If inhaled, it may cause respiratory irritation or headaches.
FROM CHRONIC EXPOSURE	This product does not cause permanent or irreversible damage.
ACUTE TOXICITY	Oral LD50% in female rats is >20 000 mg/kg and in males it is >16 000 mg/kg Dermal LD50% in rabbits is greater than 5 000 mg/kg Inhalation LC50% (4-h LC50) in male and female rats is >4 000 mg/L

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

Material classified as **NON-HAZARDOUS** based on the Mexican Official Standard NOM-002-SCT/2011.
By land; Ministry of Communications and Transportation, in the General Cargo category.
Product not regulated by the International Maritime Dangerous Goods (IMDG) Code as it is a **NON-HAZARDOUS** material.
Product not regulated by the International Air Transport Association (IATA) and the Department of Transportation (DOT) as it is **NON-HAZARDOUS** material.
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: NOM-182-SSA1-2010 Plant Nutrient Labeling.
Product Identification: According to NOM-018-STPS-2015.
Hazard Symbols and Identifications: According to NOM-018-STPS-2015.
Risk/Health Phrases: According to NOM-018-STPS-2015, see SECTION 2



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 02 **Replacement Version 01** **Review Date 11/07/23**

Reason for Review: Update on the product's appearance, density value, and pH.

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.