

SAFETY DATA SHEET

PREPARATION DATE: OCTOBER 1, 1998

REVIEW DATE: MAY 12, 2021

VERSION: 02

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

TRADE NAME: 	PRODUCT DESCRIPTION: Co-adjutant, acidifier, dispersant, penetrant, 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	
ADDRESS: Eje 3 Norte No. 329 Second Section, Xicohtécatl Industrial City, Tetla de la Solidaridad Tlaxcala, Zip Code 90431. Mexico. www.agroenzymas.com	OFFICE e-mail: comunicacion@retenum.com	Tel. 01 (55)-53667050 Fax 01 (55)-53667070
	PLANT e-mail: comunicacion@retenum.com	Tel. 01-241-412-72-63 2-71-07 2-73-97

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	
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). H335 May cause respiratory irritation (hazard category 3).
P identification codes and their precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. P261 Avoid breathing dust/fumes/gases/mists/vapors/aerosols. P264 Wash hands thoroughly after handling. P270 Do not eat, drink, or smoke while handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P304 + P340 IN CASE OF INHALATION: Take the person outside and keep them in a position that allows easy breathing. 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. P312 IN CASE OF INGESTION: Call a POISON CENTER or doctor if you feel unwell. P332 + P313 If skin irritation occurs: Get medical advice/attention. P337 + P313 IF EYE IRRITATION PERSISTS: Get medical advice/attention. P370 + P378 In case of fire: Use a PQS fire extinguisher. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3 COMPOSITION / INFORMATION ON COMPONENTS

COMPONENTS	% w/w	CAS	SPECIAL	EPP
Acidifier (inorganic acid)	25,000	NA		See section 8
Nonionic surfactant blend	20,239	NA		
Dioctyl sulfosuccinate	1,800	577-11-7		
Diluents and conditioners	52,961	NA		
TOTAL	100,000			

CAS = Chemical Abstracts Service

EPP = Personal protective equipment

NA= Not Applicable

SECTION 4 FIRST AID

a) CONTACT WITH EYES AND SKIN: *SKIN*, wash the affected areas thoroughly with plenty of water and soap. *EYES*, rinse with plenty of water for 15 minutes, keeping the eyelids open. In case of pain, consult a doctor.

b) INGESTION: Give plenty of water to drink and do not induce vomiting. Take the patient to the doctor.

c) INHALATION: Move the patient to fresh air, checking their breathing. If necessary, take the patient to a doctor.

1. POISONING: 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 AND FACE: Mask

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	RED CURRANT	ODOR	CHARACTERISTIC
DENSITY	:1,2380 - 1,2600 g/ml			Final pH (acidification):	2.11 – 3.19
BOILING POINT AT 84,791X10 ³ Pa:	100 °C			VISCOSITY (25 °C):	80 - 120 mPa.s
SOLUBILITY IN WATER:	TOTAL			VAPOR PRESSURE:	34,47X10 ² Pa

SECTION 10 STABILITY AND REACTIVITY

Avoid letting the product come into direct contact with alkaline products, as this would produce exothermic reactions. Use alkaline agents only in case of neutralizing a spill, with prior personal protection.

There is no likelihood of polymerization.

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

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

FROM ACUTE EXPOSURE	If it comes into contact with skin, it can cause irritation and dermatitis. If it comes into contact with eyes, it can cause irritation and even conjunctivitis. If ingested, it can cause nausea, vomiting, and irritation to the digestive tract. If inhaled, it can cause respiratory irritation.
FROM CHRONIC EXPOSURE	This product does not cause permanent or irreversible damage.
ACUTE TOXICITY	Oral LD50% in female rats is 5 746 mg/kg and in males it is 6 845 mg/kg. Dermal LD50% in rabbits is greater than 5 000 mg/kg. LC50% (4-h) in male and female rats is >3 000 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 12/05/21
Reason for Review: Update of physical and chemical properties (density and viscosity).

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.