



## Safety data sheet MULTICOSECHA SL

### SECTION 1: GENERAL INFORMATION

**Product identifier: foliar and soil fertilizer**

**Formulation: concentrated solution**

**Physical state: liquid**

**Presentation: 1, 4, 20 and 200 liters**

**EXPORTADORA ENLASA S.A**

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**Schedule of Attention**

Monday to friday

From 7:00 a.m. a 4:00 p.m.

Saturday from 8 a.m. - 11 a.m.

**Telephone:** (502) 2328-1800

**Fax:** (502) 2328 - 1804

### SECTION 2: CHEMICAL COMPOSITION

<b>Composition</b>	<b>Concentration (% w/v)</b>
Nitrogen (N)	5.13 %
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	0.03 %
Potassium (K <sub>2</sub> O)	18.60 %
Fulvates	1.89 %
Alginic Acids	1.30 %
Zinc (Zn)	1.10 %
Boron (B)	1.02 %
Magnesium (MgO)	1.40 %
Calcium (CaO)	3.50 %
Carbohydrates	0.18 %
Mannitol	0.04 %
Cytokinins	0.01 %
Auxins	0.04 %
Gibberellins	0.01 %
Carboxylic Acids	0.13 %

Vitamins	1.05 %
Sulfur (SO4)	4.75 %
Total Amino acids	17.54 %

### SECTION 3: RISK IDENTIFICATION

**EYE CONTACT:** the liquid may cause immediate or delayed irritation or inflammation. Eye exposure requires first aid and immediate medical attention to avoid significant damage.

**DERMAL CONTACT:** may cause dry skin, discomfort and irritation.

**INHALATION (Acute effects):**

Inhalation of this product may cause irritation of the nose, throat or lungs, depending on the degree of exposure.

**INHALATION (Chronic effects):**

The risk of injury depends on time and level of exposure.

**INGESTION: Do not ingest**

There is no evidence that the ingestion of small amounts is harmful; but ingestion of large amounts can have strong intestinal effect.

**MEDICAL CONDITIONS (Aggravated by the exhibition)**

People affected by lung disease (bronchitis, emphysema, chronic obstructive, pulmonary disease) may get worse due to exposure with this product.

### SECTION 4: FIRST AID

**EYE CONTACT:** in case of contact with the product, rinse your eye thoroughly with water for at least 15 minutes, even under the eyelids. Seek medical attention for abrasions.

**DERMAL CONTACT:** wash the skin with plenty of water, fresh and neutral pH soap or a mild detergent for the skin. Seek medical attention for rashes or irritation.

**IHALATION:** take the victim to fresh air. Get medical attention if there is discomfort or cough, or if the other symptoms do not go away.

**INGESTION:** do not cause vomiting. If the victim has not lost consciousness, give him an abundant amount of water to drink. Seek medical attention or contact the poison center immediately.

## **SECTION 5: FIRE EXTINGUISHING MEASURE**

General: do not inhale the product.

General Hazard: NON FLAMMABLE liquid

It is not combustible or explosive. A single exposure for a short time to the product presents little or no danger.

## **SECTION 6: MEASURE TO TAKE IN DURING ACCIDENTAL SPILLS.**

Generalities:

Place the spilled material in a container.

- ✓ Place the spilled material in a container.

## **SECTION 7: HANDLING AND STORAGE**

### **Handling:**

Always use personal protection, even if it cuts the exposure or activity carried out with the product. Maintain strict hygiene rules, do not smoke or eat at the work place. Use the minimum quantities possible. Know where the emergency team is. Read the instructions of the label before using the product. Label the container properly.

### **Storage:**

In cool, ventilated, dry, and labelled places. Far from hot sources, ignition and light actions. Separate from incompatible materials. Label the containers properly and maintain it closed. Limit the storage quantity. Only permit authorized personnel. Periodically inspect the storage areas in order to detect spills or damage containers.

## SECTION 8: EXPOSURE CONTROL / PERSONAL CONTROL

**TECHNICAL CONTROL:** use local exhaust or general dilution ventilation or other suppression methods to maintain odor below exposure limits.

### PERSONAL PROTECTIVE EQUIPMENTS (PPE)

**RESPIRATORY PROTECTION:** in common conditions no respiratory protection is required, but if necessary use masks with filter.

**EYE PROTECTION:** use safety glasses or ANSI approved glasses when handling dust to avoid contact with eyes.

**SKIN PROTECTION:** After and before use protective clothing and equipment, it is recommended to clean them properly.

All the general measures of protection and hygiene: those usual in handling of chemical products.

## SECTION 9: PHYSICAL PROPERTIES

<b>Appearance</b>	liquid
<b>Color</b>	Brown
<b>Odor</b>	Characteristic

	<b>Minimum.</b>	<b>Average.</b>	<b>Maximum.</b>
<b>Pure pH</b>	6.0	7.0	8.0
<b>pH at 10% (in water)</b>	6.9	7.7	8.5
<b>Average density at 25 °C (g/mL)</b>	1.1	1.1	1.1

## SECTION 10: DATA ON STABILITY AND REACTIVITY

- ✓ Stable under normal conditions of use or storage. Ambient temperature, atmospheric pressure and moisture free).
- ✓ Under normal conditions of storage and use, no dangerous reaction occurs.

## SECTION 11: TOXICOLOGICAL INFORMATION

Non-toxic product

## SECTION 12: ECOLOGICAL INFORMATION

**Persistence/degradability:** it is rapidly degraded in soil and water by the microbial route. It does not have the potential to leach in the soil.

**Bio-accumulation:** low potential.

**Possible impact to the environment:** The compound does not have mobility in the soil, so there is a minimum risk of contaminating groundwater.

## SECTION 13: CONSIDERATION AT THE MOMENT OF ELIMINATION

Clean empty container by triple washing, after, use and drill them to reuse. Arrange them according to current local legislation.

The final disposal of the product should be done accordingly to the legislation and the local and national regulations.

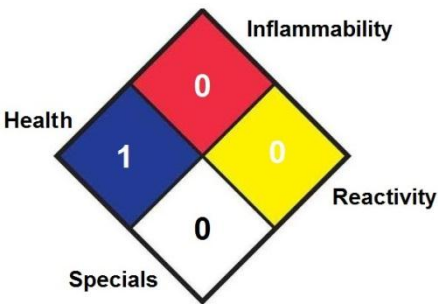
The processing, use or contamination of the product can change the final disposal options.

## SECTION 14: TRANSPORT INFORMATION

It is not a dangerous product in DOT, IATA, ADR, IMDG or RID.

DOT not registered as a dangerous product.  
IATA not registered as a dangerous product.  
ADR not registered as a dangerous product.  
IMDG not registered as a dangerous product.  
RID not registered as a dangerous product.

## SECTION 15: REGLAMENTARY INFORMATION

	Criteria	Grade of risk
	Inflammability (0)	Product that cannot burn, although when it is exposed at temperature of 815.5 ° C (1500 ° F), during the period of more than 5 minutes.
	Reactivity (0)	Product that it self is normally stable, even under fire conditions
	Health (1)	Can use irritation, but only minor residual damage even in the absence of medical treatment.
	Specials	N.E

## SECTION 16: COMPLEMENTARY INFORMATION

We guarantee that the composition and concentration of this product corresponds to what is indicated on the label. By purchasing this product the user acquires responsibility for its proper use and handling. We guarantee that quality of the manufactured product. We are NOT responsible for the misuse of this product.

- **For more information consult with the formulator in Guatemala**