

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

TRADE NAME: 	PRODUCT DESCRIPTION: Co-adjuvant. OTHER DATA: It is a product for plant nutrients and is not a pesticide.	
MANUFACTURER'S NAME: IQCHEMICALS & LABS SA DE CV 	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	Símbolo(s) 
Signal word	DANGER
H identification codes and their hazard statement(s)	H225 Highly flammable liquid and vapour (category 2) H303 May be harmful if swallowed (hazard category 5) H316 Causes mild skin irritation (hazard category 3) H319 Causes serious eye irritation H335 May causes respiratory irritation (hazard category 3)
P identification codes and their precautionary statements	P101 If medical advice is needed, have the product container or label at hand. P102 Keep out of reach of children. P103 Read the label before use. P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. P233 Keep the container tightly closed. P305 + P351 + P338 IN CASE OF CONTACT WITH EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P337+ P313 IF EYE IRRITATION PERSISTS: Get medical advice/attention.

Occupational exposure limits:

TWA:	1000 ppm
STEL:	N.R.
CEILING (C):	N.R.
IPVS:	N.R.

Adverse effects on human health:

Inhalation: High concentrations of vapor can cause drowsiness, coughing, irritation of the eyes and respiratory tract, and headache.

Ingestion: Burning sensation. Initially acts as a stimulant followed by depression, headache, blurred vision, drowsiness, and unconsciousness. Large amounts affect the gastrointestinal system.

Skin: Dryness.

Eyes: Irritation, redness, pain, burning sensation.

Chronic effects: Long-term exposure produces narcotic effects. It affects the central nervous system, irritates the skin (dermatitis) and the upper respiratory tract. Chronic ingestion causes liver cirrhosis.

SECTION 3 COMPOSITION / INFORMATION ON COMPONENTS

COMPONENTS	% w/w	CAS	SPECIAL	EPP
Surfactant agents that reduce surface tension.	100,00	NA	NA	See Section 8

CAS = Chemical Abstracts Service

EPP = Personal protective equipment

NA= Not Applicable

SECTION 4 FIRST AID**CONTACT WITH:**

a) EYES: 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 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 the victim at rest, and monitor their breathing.

1. POISONING: If necessary, take the patient to a doctor and show this sheet.

2. INFORMATION FOR PHYSICIAN: Symptomatic treatment. Depending on the amount ingested, this may cause cyanosis, depression, and difficulty breathing.

3. ANTIDOTE (DOSE, IF ANY): None. Because the product is not pesticide, it does not require a specific antidote, only symptomatic treatment. It is recommended, if appropriate, to consult the label of the pesticide used in the mixture.

SECTION 5 FIRE PREVENTION MEASURES**APPROPRIATE EXTINGUISHING MEDIA:****Flash Point (°C):** 17**Autoignition Temperature (°C):** 422**Flammability Limits (% w/w):** 3.3 - 19

Suitable: Dry chemical, carbon dioxide, and HFFF alcohol foam extinguishers with water spray. If the product is not directly involved in the fire, use extinguishing media appropriate for the surrounding materials.

Specific Hazards: Flammable, evaporates easily, its vapors settle in low areas, and can form explosive mixtures with air if concentrated in confined spaces.

Combustion Products: Carbon oxides are released.

Precautions to avoid fire/explosion: Avoid all sources of ignition or heat. Separate from incompatible materials. Ground containers to prevent electrostatic discharge, maintain good ventilation, and avoid smoking in the storage area. Lighting and electrical equipment must be explosion-proof.

Specific intervention methods: Evacuate or isolate the danger area, restrict access to unnecessary or unprotected people, position yourself downwind, and use fire safety personal protective equipment and self-contained breathing apparatus (SCBA). Remove fire containers if safe to do so; otherwise, cool them using water spray from a safe distance. If the fire has grown larger than 4m², do not risk your life and allow the firefighters to fight the fire.

SECTION 6 MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL SPILL OR LEAK**PERSONAL PRECAUTIONS:**

Always use the EPP established in Section 8 when managing the product.

ENVIRONMENTAL PRECAUTIONS:

Evacuate or isolate the hazard area, eliminate all sources of ignition, restrict access to unnecessary and unprotected persons, position yourself downwind, use personal protective equipment, ventilate the area, do not allow it to fall into water sources and sewers, if the spill is small, let it evaporate; it can also be absorbed with spill towels, if it is large, collect the liquid with non-sparking equipment to prevent it from igniting and wash the area with sufficient water. For these activities, consider section 8, as well as the instructions for other products that are used in the mixture with the product.

CLEANING METHODS:

Try to recover most of the product and wash the area with enough 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:

Technical measures: Separate from incompatible materials and label containers appropriately.

Necessary precautions: Store in well-ventilated, cool, and dry areas, away from heat and ignition sources.

Usage instructions: Store in tightly sealed containers.

Storage; Technical measures: Always use personal protection, even if the exposure or activity you perform with the product is short. Maintain strict hygiene standards, do not smoke or eat in the workplace, read the label instructions before using the product, and store the product in its original, tightly closed container in a cool, dry, and covered place.

Storage conditions;

Recommended: Keep the product away from food and medicines.

Compatible Materials: Reacts violently with strong oxidizing agents.

Packaging Condition: Hermetic.

Packaging Materials:

Recommended: Plastic containers and wooden or plastic pallets.

Contraindications: Any non-hermetic container.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical measures: Adequate ventilation of the area.

Personal protective equipment;

Normal use Long gloves and goggles with side shields. If the concentration is high, you can wear a full face mask with a vapor filter, boots, and overalls.

Respiratory protection: Respirator for vapors and mists.

Hand protection: Rubber gloves.

Eye protection: Safety goggles for mixture preparation.

Skin and body protection: Rubber boots.

Emergency collective transport: Full protective clothing including safety goggles with side shields, gloves, vapor respirator; if concentrations are unknown or very high, use self-contained breathing apparatus (SCBA).

Hygiene measures: Long-sleeved clothing for mixing, loading equipment, and application. If any pesticide is used in the mixture, follow its recommendations. After handling the product, wash your hands and observe good hygiene practices.

Engineering controls: Local and general ventilation to ensure that concentration does not exceed occupational exposure limits. Showers and eye washing stations should be available.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: HOMOGENEOUS AND TRANSLUCENT LIQUID	COLOR YELLOW	ODOR CHARACTERISTIC
DENSITY (20°C): 0.7900 – 0.8100 g/ml	pH (direct) at 20°C: 6.00 – 8.00	
VAPOR PRESSURE: N. D.	SURFACE TENSION (22°C): N. D.	
BOILING POINT: N.D.	SOLUBILITY IN WATER: TOTAL.	

SECTION 10 STABILITY AND REACTIVITY

Stability: If it is stable under normal conditions.

Substances to avoid: Reacts violently with strong oxidizing agents, nitric acid, sulfuric acid, silver nitrate, mercuric nitrate, magnesium perchlorate, chromates, peroxides. Reacts slightly with calcium hypochlorite, silver oxide, and ammonia.

Polymerization: None.

Conditions to avoid: Avoid exposure to light and high temperatures.

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

SECTION 11 TOXICOLOGICAL INFORMATION

	HEALTH EFFECTS
FROM ACUTE EXPOSURE: LD50 (INGESTION, INHALATION, DERMAL):	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
SYMPTOMS OF ACUTE EXPOSURE:	Not available.
SYMPTOMS OF CHRONIC EXPOSURE:	Not available.
CHEMICAL SUBSTANCE CONSIDERED AS: REFERENCE (NOM-010-STPS)	Carcinogenic N/A, Mutagenic N/A, Teratogenic N/A
ADDITIONAL INFORMATION:	Hazardous Material.
FOR CHRONIC EXPOSURE	This product does not cause permanent or irreversible damage.

SECTION 12 ECOTOXICOLOGICAL INFORMATION

Toxicity to fish and plankton: LC50 greater than 10 g/l for fish.
Harmful to fish and plankton at concentrations above 9000 mg/l within 24 hours.
Persistence and Degradability: It is a biodegradable product.
Potential for bioaccumulation: Not available.
Mobility on the ground: Not available.
Other adverse effects: Do not come into contact with sewer networks.
Do not contaminate food or fodder when storing it or disposing of waste.

SECTION 13 INFORMATION REGARDING THE DISPOSAL OF PRODUCTS**Product waste, dirty packaging:**

Destruction/Elimination: Drill them to prevent their reuse and destroy them according to local regulations.

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

Decontamination/Cleaning: Practice triple rinsing with water of the product containers that are used.

SECTION 14 TRANSPORTATION INFORMATION**National and international regulations;**

ONU Number: Class III flammable and UN number of the material 1993 N.E.P. Red label for flammable liquid. Do not transport with explosive substances, poisonous gases, substances that may spontaneously combust, oxidizing substances, organic peroxides, radioactive materials, or substances with fire hazards.

By land: Ministry of Communications and Transportation, under the Hazardous Cargo modality

SECTION 15 REGULATORY INFORMATION

Labeling:

Regulations: NOM-182-SSA1-2010 Labeling of Plant Nutrients.

GHS Product Identification: Warning word DANGER.

Symbol(s)


GHS Pictograms:

GHS Hazard Statements: H225 Highly flammable liquids and vapors.
H319 Causes serious eye irritation.

Caution Tips – GHS Prevention: Precautionary advice –P210 Keep away from heat, hot surfaces, sparks, open flames, and any other sources of ignition. No smoking.

P233 Keep the container tightly closed. GHS prevention.

Caution Tips – GHS response: P305 + P351 + P338 IN CASE OF EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

Information provided by IQCHEMICALS & LABS S. A. de C. V.

Version 01

Replaces Version 00

Review Date 13/02/25

Reason for Review: Logo Update

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