



# SAFETY DATA SHEET

According to 29 CFR 1910.1200

**MICRO BALANCE**

Date of issue: September 01, 2023 Revision date: - Version: 1

## SECTION 1.- IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1 Product identifier

**Product form** Mixture  
**Substance name** Fertisol Micro Balance  
**CAS No.** Not available  
**Formula** Not available  
**Synonyms** Not available

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Use of the substance/mixture** Fertilizers

### 1.3 Details of the supplier of the safety data sheet

Química Pima, S.A. de C.V.  
Del Cobre 20, Parque Industrial Hermosillo  
Hermosillo, Sonora, México. C.P. 83297 Tel. 011 (662) 251-0010 / (662) 251-0316  
ventas@qpima.com  
www.qpima.com

### 1.4 Emergency telephone number

**Emergency number** CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

## SECTION 2.- HAZARD IDENTIFICATION

### 2.1 GHS-US classification

Harmful if swallowed 4 H302  
Serious eye damage/eye irritation 2A H319

### 2.2 Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



**Signal Word (GHS-US):**

Warning

**Hazard statement (GHS-US):**

H302 Harmful if swallowed.

H319 Serious eye damage/eye irritation.

**Precautionary statements (GHS-US):**

P264 Wash exposed skin thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P12. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305 + P351 + P338. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.



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P330 Rinse mouth.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container following local/regional/national/international regulations.

None to our knowledge

Not applicable

### 2.3 Other hazards

### 2.4 Unknown acute toxicity (GHS-US)

## SECCIÓN 3.- COMPOSITION / INFORMATION OF INGREDIENTS

### 3.1 Substance

Not applicable

### 3.2 Mixture

Name	Product identifier	%
EDTA Cu	(CAS No.) 14025-15-1	0.75
EDTA Fe	(CAS No.) 15708-41-5	7.45
EDTA Mn	(CAS No.) 15375-84-5	3.65
Boron (B)	(CAS No.) 7440-42-8	0.44
Molybdenum (Mo)	(CAS No.) 7439-98-7	0.43

## SECCIÓN 4.- FIRST AID MEASURE

### 4.1 Description of first aid measure

#### First-aid measures general

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

#### First-aid measures after eye contact

Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.

#### First-aid measures after skin contact

Thoroughly wash the exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.

#### First-aid measures after inhalation

Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Get medical attention.

#### First-aid measures after ingestion

If swallowed, if conscious, give plenty of water. Immediately call a physician. Never give anything by mouth to an unconscious person.

### 4.2 Most important

#### Symptoms/injuries after inhalation

Irritation of the respiratory tract. Pain / dry throat. Cough.

#### Symptoms/injuries after skin contact

Irritation of the skin. Redness. Pain.

#### Symptoms/injuries after eye contact

Redness of the eye tissue. Irritation of the eye tissue. Pain. Tearing.

#### Symptoms/injuries after ingestión

The product dissolved in water or in the presence of moisture causes an acid reaction and, if ingested, may cause irritation and burns in the mouth, throat, and digestive tract. Vomiting, abdominal pain, gastrointestinal disorders.

#### Chronic symptoms

Not available

### 4.3 Indications of any immediate medical attention and special treatment needed

If exposed, concerned, or if symptoms persist, obtain medical attention/advice. If medical advice is necessary, have the product container or label on hand.

## SECCIÓN 5.- FIREFIGHTING MEASURES

### 5.1 Extinguishing media



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**Suitable extinguishing media** Water, carbon dioxide  
**Unsuitable extinguishing media** No unsuitable extinguishing media is known.

### 5.2 Special hazard arising from the substance or mixture

**Fire hazard** In case of fire, avoid breathing fumes. May release toxic fumes containing carbon oxides (COx) and nitrogen oxides (NOx).  
**Explosion hazard** Not available  
**Reactivity** Not available

### 5.3 Advice for Firefighters

**Precautionary measures fire** In case of fire/heating: stand against the wind. If exposed to fire/heat consider evacuation  
**Firefighting instructions** Use water spray or mist to cool exposed containers. Use caution in case of chemical fire. Prevent extinguishing water from entering the environment.  
**Protection during firefighting** Heat/fire exposure: compressed air/oxygen apparatus.

## SECCIÓN 6.- ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment, and emergency procedures

#### 6.1.1 For non-emergency personnel

**Protective equipment** Gloves. Protective clothing. Dust cloud production: compressed air/oxygen apparatus. Reactivity hazard: compressed air/oxygen apparatus. Reactivity hazard: gas-tight suit.  
**Emergency procedures** Mark the danger area. Prevent dust cloud formation, e.g., by wetting. No naked flames. Wash contaminated clothes. In case of hazardous reactions: keep upwind. In case of reactivity hazard: consider evacuation.  
**Measures in case of dust release** In case of dust production: keep upwind. Dust production: have the neighborhood close doors and windows.

#### 6.1.2 For emergency responders

Where specialized garments are required to manage the spill/leak, refer to any information in Section 8 regarding suitable and unsuitable materials. Keep the area ventilated.

### 6.2 Environmental precautions

Avoid release to the environment. Do not allow the product to spread into the environment. Do not discharge into drains or rivers.

### 6.3 Methods and material for containment and cleaning up

**Method for containment** Contain the spilled substance, and place it into appropriate containers. Refer to the 'handling materials' section to select container material. Stop the spill if possible. Store away from other materials. Dispose of materials or solid waste at an authorized facility.  
**Method for cleaning up** Control the dust cloud with sprayed water. If the spill occurs on land, sweep or collect it in appropriate containers. Minimize dust generation.

### 6.4 Reference to other sections

For further information refer to section 8: Exposure-controls/personal protection

## SECTION 7.- HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**Precautions for safe handling** Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Keep the substance free from contamination. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Avoid raising dust. Keep away from naked flames/heat. Observe normal hygiene standards. Keep the container tightly



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**Hygiene measures**

closed. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

Do not drink, eat, or smoke in the workplace. Always wash your hands after handling the product. Do not eat, drink, or smoke when using this product.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage conditions**

Keep only in the original container in a cool, well-ventilated place away from incompatible materials. Keep the container closed when not in use.

**Incompatible products**

KEEP SUBSTANCE AWAY FROM: strong oxidizing agents

**Heat-ignition**

Not available

**Storage area**

Store in a dry area. Store at room temperature. Keep the container in a well-ventilated place. Meet the legal requirements.

**Special rules on packaging**

SPECIAL REQUIREMENTS: closing. Dry. Correctly labeled. Meet the legal requirements. Secure fragile packaging in solid containers.

**Packaging materials**

Not available

**7.3 Specific end use(s)**

No additional information is available

**SECTION 8.- EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
EDTA Cu	1 mg/m <sup>3</sup>	Not available	Not available
EDTA Fe	Not available	Not available	Not available
EDTA Mn	Not available	Not available	Not available
Boron (B)	Not available	Not available	Not available
Molybdenum (Mo)	Not available	Not available	Not available

**8.2 Exposure controls**

**Appropriate engineering controls**

Ensure good ventilation of the workstation. Extraction to remove dust at its source. Emergency eye wash fountains and safety showers should be available near any potential exposure.

**Personal protective equipment**

Dust production: dust mask with filter type P2. Gloves. Safety glasses.

**Material for protective clothing**

GIVE GOOD RESISTANCE: butyl rubber. Neoprene. Rubber. GIVE POOR RESISTANCE: natural fibers.

**Hand protection**

Gloves.

**Eye protection**

Safety glasses. In case of dust production: protective goggles.

**Skin and body protection**

Protective clothing.

**Respiratory protection**

Dust production: dust mask with filter type P2.

**Environmental exposure controls**

Avoid release to the environment.

**SECTION 9.- PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

**Physical state**

Solid

**Appearance**

Microgranules

**Odor**

Odorless

**Color**

Blue



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Molecular mass	No data available
Odor threshold	No data available
pH	4.5
pH solution	1% at 25 °C
Relative evaporation rate (butyl acetate = 1)	No data available
Melting/Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Self-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapor pressure	No data available
Relative vapor density at 20 °C	No data available
Relative density	No data available
Solubility	No data available
Log Pow	No data available
Log Kow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	Nonexplosive (under normal conditions)
Oxidizing properties	No data available
Explosive limits	No data available

### 9.2 Other information

No additional information is available

## SECTION 10.- STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions of use and storage
10.2 Chemical stability	Stable under normal conditions of use and storage
10.3 Possibility of hazardous reactions	Reacts with strong oxidizing agents. Contact with hot surfaces may ignite the product.
10.4 Conditions to avoid	Direct sunlight. Heat. Incompatible materials. Open flame. Sparks.
10.5 Incompatible materials	Strong oxidizing agents.
10.6 Hazardous decomposition products	In case of fire, it may release toxic fumes containing carbon oxides (CO <sub>x</sub> ) and nitrogen oxides (NO <sub>x</sub> ).

## SECTION 11.- TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Likely routes of exposure	Skin and eyes contact, inhalation, and ingestion.
Acute toxicity	Not classified.
Skin corrosion/irritation	May cause skin irritation.
Serious eye damage/irritation	Causes eye irritation.
Respiratory or skin sensitization	It can be irritating to the nose and respiratory system.
Germ cell mutagenicity	Not classified.



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Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Specific target toxicity (single exposure)	Not classified.
Specific target toxicity (repeat exposure)	Not classified.
Aspiration hazard	Not classified.

Name	LD <sub>50</sub> oral	LD <sub>50</sub> dermal	LC <sub>50</sub> inhalation
EDTA Cu	-	-	-
EDTA Fe	-	-	-
EDTA Mn	-	-	-
Boron (B)	-	-	-
Molybdenum (Mo)	-	-	-

### SECTION 12.- ECOLOGICAL INFORMATION

#### 12.1 Toxicity

Ecology – General	Classification concerning the environment: not applicable.
Ecology – Air	Not classified as dangerous for the ozone layer.
Ecology – Water	Acute aquatic toxicity: Species: Fish = 555 mg/L. Notes: OECD 203 Species: Daphnia = 109.2 mg/L. Notes: OECD 202 Species: Algae = 662.6 mg/L. Notes: OECD 201 Chronic aquatic toxicity: Species: Fish = 37.2 mg/L. Notes: OECD 210 Species: Daphnia = 29.5 mg/L. Notes: OECD 211 Species: Algae = 43.7 mg/L. Notes: OECD 201 Bacterial toxicity: Endpoint: NOEC = 654 mg/L Duration h: 3. Notes OECD 209

#### 12.2 Persistence and degradability

Abiotic degradation: half-life 20 days. Resistant to hydrolysis (refer to ferric sodium salt of ethylenediaminetetraacetic acid). Biotic degradation: EDTA and its salts are not readily degradable; slightly alkaline pH improves the biodegradability of EDTA.

#### 12.3 Bioaccumulative potential

The product generates no bioaccumulation.

#### 12.4 Mobility in soil

No data available.

#### 12.5 Other adverse effects

Other information	No data available.
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### SECCIÓN 13.- INFORMACIÓN RELATIVA A LA ELIMINACIÓN DE LOS PRODUCTOS

#### 13.1 Waste treatment methods

Waste treatment methods	If possible, recover the material. Dispose of according to relevant local regulations.
Waste disposal recommendations	Dispose of safely following local/national regulations.



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## SECTION 14.- TRANSPORT INFORMATION

<b>14.1 UN Number</b>	Not applicable. In accordance with DOT not regulated for transport.
<b>14.2 UN proper shipping name</b>	Not applicable.
<b>14.3 Additional information</b>	
Other information	No supplementary information is available.
Overland transport	No additional information is available.
Transport by sea	No additional information is available.
Air transport	No additional information is available.

## SECTION 15.- REGULATORY INFORMATION

### International inventories

TSCA Not specified

TSCA – Toxic Substances Control Act Inventory Section 8(b). This material is listed or exempt.

DSL/NDSL - Domestic Substance List/Non-Domestic Substance List.

**US Federal Regulations:** Not listed in the Toxic Substances Control Act Inventory

### SARA 311/312 Categories.

Acute Health Hazard	No	Chronic Health Hazard	No	Fire Hazard	No
Sudden Hazardous Pressure Release	No	Reactive Hazard	No		

**Clean Water Act.** None of these chemicals are listed under the Clean Water Act.

**CERCLA.** None of the ingredients are listed.

## SECTION 16.- OTHER INFORMATION

<b>NFPA</b>	NFPA health Hazard	-	NFPA fire Hazard	-	NFPA instability Hazard	-	NFPA Special hazard	-
<b>HMIS III</b>	Health	-	Flammability	0	Physical	-	Personal protection	-

Safety glasses, gloves, and dust respirator

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**Made for:** Química Pima, S.A. de C.V. Del Cobre No. 20 Parque Industrial. Hermosillo, Sonora, México. 83297.

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**Revision date:** -

**Revision note:** -

*IMPORTANT NOTE: Information in this SDS is from available published sources and is believed to be accurate, but is not exhaustive and will be used only as a guide, which is based on current knowledge of the chemical substance or mixture and applied to the appropriate product for safety precautions. No warranty, express or implied, is made and Pima Chemicals & Fertilizers, LLC and Quimica Pima, S.A. de C.V. assumes no liability resulting from the use of this SDS. The user must determine the suitability of this information for his application.*