



**SAFETY DATA SHEET**  
According to 29 CFR 1910.1200

**EDTA Fe 13%**

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**

Substance name 13% Fe Chelate  
CAS No. 15708-41-5  
Formula  $C_{10}H_{12}N_2NaFeO_8$   
Synonyms Ethylenediaminetetraacetic acid ferric sodium salt, ethylenediaminetetraacetic acid iron(III) sodium salt .

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

Use of the substance/mixture Agriculture - Chelated Micronutrient

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

Pima Chemicals & Fertilizers, LLC  
1370 Nogales, Az.  
Tel. 011 52 (662) 182-0559  
rgutierrez@qpima.com  
Química Pima, S.A. de C.V.  
Del Cobre 20, Parque Industrial Hermosillo.  
Hermosillo, Sonora, México. C.P. 83297  
Tel. 011 (662) 251-0010 ventas@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**

Not classified as hazardous according to the GHS

**2.2. Label elements**

**GHS-US labelling**

Hazard pictograms (GHS-US) None

Signal word (GHS-US): None

Hazard statement (GHS-US): The mixture does not meet the criteria for classification.

Precautionary statements (GHS-US):  
Observe good industrial hygiene practices.  
Wash hands after handling.  
Store away from incompatible materials.  
Dispose of waste and residues in accordance with local authority requirements.

**2.3. Other hazards** Not classified.

**2.4 Unknown acute toxicity (GHS-US)** Not applicable.

**SECTION 3.- COMPOSICION / INFORMATION OF INGREDIENTS**

**3.1 Substance** Not applicable.

**3.2 Mixture**

Name	Product identifier	%	GHS-US classification
EDTA Fe 13%	(CAS No.) 15708-41-5	90 - 100	Not applicable



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## SECTION 4.- FIRST AID MEASURE

### 4.1. Description of first aid measure

<b>First-aid measures general</b>	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
<b>First-aid measures after eye contact</b>	Rinse immediately and abundantly with water for at least 10 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if the irritation spreads out.
<b>First-aid measures after skin contact</b>	Take off all contaminated clothing. Rinse abundantly with water and soap. Seek medical advice in case of irritation. Wash clothes before reuse.
<b>First-aid measures after inhalation</b>	Well ventilate the area and go to the open space.
<b>First-aid measures after ingestion</b>	Rinse mouth, give water to drink, induce vomiting. If the subject is unconscious, do not induce vomiting. Seek medical advice.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Symptoms/injuries after inhalation</b>	Possible irritation of respiratory tract.
<b>Symptoms/injuries after skin contact</b>	Possible irritation according to the contact time with the product.
<b>Symptoms/injuries after eye contact</b>	Possible irritation according to the contact time with the product.
<b>Symptoms/injuries after ingestion</b>	Possible irritation of mouth and digestive tract.
<b>Chronic symptoms</b>	No information available.

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

If exposed, concerned or if symptoms persist, get medical attention/advice. If medical advice is needed, have product container or label at hand.

## SECTION 5.- FIREFIGHTING MEASURES

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Water spray, foam, carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable extinguishing media</b>	None known.

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

<b>Fire hazard</b>	In case of fire, avoid breathing fumes.
<b>Explosion hazard</b>	No information available
<b>Hazard thermal decomposition products</b>	May release toxic fumes containing carbon oxides (CO <sub>x</sub> ) and nitrogen oxides (NO <sub>x</sub> )

### 5.3. Advice for firefighters

<b>Protective equipment</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
<b>Emergency procedures</b>	In the event of fire, cool tanks with water spray. Cool containers exposed to flames with water until well after the fire is out.



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### SECTION 6.- ACCIDENTAL RELEASE MEASURES

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

##### 6.1.1. For non-emergency personnel

Protective equipment

Safety glasses.

Emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

##### 6.1.2. For emergency responders

Protective equipment

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Emergency procedures

Do not breathe fumes or vapors from fire decomposition. If possible, stop flow of product. Contain and collect any solid. Ventilate area.

#### 6.2. Environmental precautions

If possible, store into a clean container either to reuse or disposal. Avoid waterway and discharging contamination; competent authority must be informed in case of accidental contamination of waterway.

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

**Small spill**

Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill**

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

**6.4 Reference to other sections** See Heading 8. Exposure controls and personal protection.

### SECTION 7.- HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

**Protective measures**

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.



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**Incompatible products** See Section 10.

**Incompatible materials** See Section 10.

**7.3 Specific end use(s)** No additional information available.

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

**8.1. Control parameters**

Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
EDTA Fe 13%	-	-	-

**8.2. Exposure controls**

<b>Hygiene measures</b>	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Hand protection</b>	For prolonged or repeated skin contact use suitable protective gloves.
<b>Eye protection</b>	If contact is likely, safety glasses with side shields are recommended.
<b>Respiratory protection</b>	Use dust mask with P2 filters if conditions warrant. Respect the occupational exposure limits.
<b>Other information</b>	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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

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

<b>Physical state:</b>	Solid	<b>Appearance:</b>	Crystals
<b>Odor:</b>	Odorless	<b>Color:</b>	Yellow
<b>Molecular mass</b>			No data available.
<b>Odor threshold</b>			No data available.
<b>pH</b>			4.5
<b>pH solution</b>			1% at 25°C
<b>Relative evaporation rate (butyl acetate=1)</b>			No data available.
<b>Melting/Freezing point</b>			No data available.
<b>Boiling point</b>			No data available.
<b>Flash point</b>			No data available.
<b>Self ignition temperature</b>			> 200 °C (392 °F)
<b>Decomposition temperature</b>			No data available.
<b>Flammability (solid, gas)</b>			No data available.
<b>Vapor pressure</b>			No data available.
<b>Relative vapor density at 20°C</b>			No data available.
<b>Relative density</b>			1.1



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<b>Solubility</b>	80 g/L at 25°C
<b>Log Pow</b>	No data available.
<b>Log Kow</b>	No data available.
<b>Viscosity, kinematic</b>	No data available.
<b>Viscosity, dynamic</b>	No data available.
<b>Explosive properties</b>	Not explosive (under normal conditions)
<b>Oxidizing properties</b>	No data available.
<b>Explosive limits</b>	No data available.

**9.2 Other information**

**SECTION 10.- STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	Stable under normal conditions of storage and handling
<b>10.2 Chemical stability</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	In contact with oxidizing agents it generates a violent reaction.
<b>10.4 Conditions to avoid</b>	Heating of the product at high temperatures.
<b>10.5 Incompatible materials</b>	Strong oxidizing agents.
<b>10.6 Hazardous decomposition products</b>	In case of fire may release toxic fumes containing carbon oxides (COx) and nitrogen oxides (NOx).

**SECTION 11.-TOXICOLOGICAL INFORMATION**

**11. 1. Information on toxicological effects**  
**Inhalation:** Can be irritant for nose and respiratory system.  
**Skin:** Can be irritant for skin.  
**Eye:** Can be irritant for eyes.  
**Ingestion:** Can be irritant for mouth and digestive tract.

The acute oral toxicity test did not show mortality at a limit dose of 2000 mg/kg bw and the 4-h inhalation toxicity study did not show mortality at the limit concentration of 5000 mg/m<sup>3</sup>.

Name	LD <sub>50</sub> oral	LD <sub>50</sub> dermal	LC <sub>50</sub> inhalation
EDTA Fe 13%	-	-	-

Skin corrosion/irritation	No information available.
Serious eye damage/irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
Specific target toxicity (single exposure)	No information available.
Specific target toxicity (repeat exposure)	No information available.



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Aspiration hazard No information available.  
 Potential adverse human health effects and symptoms No information available.

**SECTION 12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

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Persistence and degradability	No data available

**12.3 Bioaccumulative potential**

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Bioaccumulative potential	No data available

**12.4 Mobility in soil**

No data available

**12.5 Other adverse effects**

**Other information** No data available

**SECTION 13.- DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Waste disposal recommendations	<p>The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.</p>
Ecology-waste materials	<p>Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Care should be taken when handling empty containers that have not been cleaned or rinsed.</p>

**SECTION 14.- TRANSPORT INFORMATION**

<b>14.1. UN number</b>	Not regulated.
<b>14.2. UN proper shipping name</b>	Not regulated.
<b>14.3. Additional information</b>	
Other information	Not regulated.
Overland transport	Not regulated.
Transport by sea	Not regulated.
Air transport	Not regulated.



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**SECTION 15.- REGULATORY INFORMATION**

**US Federal regulations**

TSCA 12(b)	Not regulated.
SARA 302	No
SARA 304	Not regulated.
SARA 311/312 Hazard Categories	No
CWA (Clean Water Act)	Not listed.
Clean Air Act	Not regulated.
OSHA	Not listed.
CERCLA	Not listed.
California Proposition 65	This product does not contain any Proposition 65 chemicals
U.S. State Right-to-Know Regulations	Not applicable
<b>U.S. Department of Transportation</b>	
Reportable Quantity (RQ):	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N
<b>U.S. Department of Homeland Security</b>	
This product does not contain any DHS chemicals.	
<b>Other International Regulations</b>	
<b>Mexico - Grade</b>	No information available

**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	-	Physical	-	Personal Protection	-

- Safety glasses, gloves and dust respirator.



**Other information:** None.

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

**Date of issue:** September 01, 2023

**Revision date:** -

**Revision notes:** -

*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 apply 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 suitability of this information for his application.*

End of Safety Data Sheet