



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

**DTPA Fe 11%**

Date of issue: February 22, 2018 Revision date: September 01, 2023 Version: 2

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

**1.1 Product identifier**

Substance name 11% Iron chelate DTPA  
CAS No. 12389-75-2  
Formula -  
Synonyms Sodium hydrogen ferric diethylenetriamine pentaacetate

**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.

**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
Ferric Diethylenetriamine pentaacetate (DTPA), sodium salt	(CAS No.) 12389-75-2	90 - 100	Not applicable



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

**DTPA Fe 11%**

**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 with water. Get medical attention if irritation develops and persists.
<b>First-aid measures after skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>First-aid measures after inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>First-aid measures after ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.

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

<b>Symptoms/injuries after inhalation</b>	No information available.
<b>Symptoms/injuries after skin contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Symptoms/injuries after eye contact</b>	No information available.
<b>Symptoms/injuries after ingestion</b>	No information available.
<b>Chronic symptoms</b>	No information available.

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

Treat symptomatically.

**SECTION 5.- FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Water. Water fog. Foam. Dry chemical powder. 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>	No information available
<b>Explosion hazard</b>	No information available
<b>Hazard thermal decomposition products</b>	During fire, gases hazardous to health may be formed.

**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.



# **SAFETY DATA SHEET**

According to 29 CFR 1910.1200

**DTPA Fe 11%**

## **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**

Avoid release to the environment.

### **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.



## SAFETY DATA SHEET

According to 29 CFR 1910.1200

# DTPA Fe 11%

**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
Ferric Diethylenetriamine pentaacetate (DTPA), sodium salt	-	-	-

#### 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>	In case of insufficient ventilation, wear suitable respiratory equipment.
<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>	Solid
<b>Odor:</b>	Odorless	<b>Color:</b>	Pale yellow
<b>Molecular mass</b>			No data available.
<b>Odor threshold</b>			No data available.
<b>pH</b>			No data available.
<b>pH solution</b>			No data available.
<b>Relative evaporation rate (butyl acetate=1)</b>			No data available.
<b>Melting point</b>			No data available.
<b>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>			No data available.
<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.



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

**DTPA Fe 11%**

Relative density	No data available.
Specific gravity	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	No data available.
Oxidizing properties	No data available.
Explosive limits	No data available.

**9.2 Other information**

No additional information available.

**SECTION 10.- STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>10.2 Chemical stability</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4 Conditions to avoid</b>	Contact with incompatible materials.
<b>10.5 Incompatible materials</b>	Strong oxidizing agents.
<b>10.6 Hazardous decomposition products</b>	No hazardous decomposition products are known.

**SECTION 11.-TOXICOLOGICAL INFORMATION**

**11. 1. Information on toxicological effects**

Ingestion	Due to lack of data the classification is not possible.
Inhalation	Due to lack of data the classification is not possible.
Skin contact	Due to lack of data the classification is not possible.
Eye contact	Due to lack of data the classification is not possible.

Name	LD <sub>50</sub> oral	LD <sub>50</sub> dermal	LC <sub>50</sub> inhalation
Ferric Diethylenetriamine pentaacetate (DTPA), sodium salt	-	-	-

Skin corrosion/irritation	No information available.
Serious eye damage/irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	Due to lack of data the classification is not possible.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1 are mutagenic or genotoxic.
Carcinogenicity	Due to lack of data the classification is not possible.
Reproductive toxicity	Due to lack of data the classification is not possible.
Specific target toxicity (single exposure)	Due to lack of data the classification is not possible.
Specific target toxicity (repeat exposure)	Due to lack of data the classification is not possible.



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

<b>DTPA Fe 11%</b>
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Aspiration hazard	Due to lack of data the classification is not possible.
Potential adverse human health effects and symptoms	This product has no known adverse effect on human health.

**SECTION 12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**12.2 Persistence and degradability**

<b>Ferric Diethylenetriamine pentaacetate (DTPA), sodium salt</b>	
Persistence and degradability	No data is available on the degradability of this product.

**12.3 Bioaccumulative potential**

<b>Ferric Diethylenetriamine pentaacetate (DTPA), sodium salt</b>	
Bioaccumulative potential	No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Other adverse effects**

<b>Other information</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
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**SECTION 13.- DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Waste disposal recommendations	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.
Ecology-waste materials	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.

**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.



# SAFETY DATA SHEET

According to 29 CFR 1910.1200

**DTPA Fe 11%**

Air transport

Not regulated.

**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

**U.S. Department of Transportation**

Reportable Quantity (RQ):	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N

**U.S. Department of Homeland Security**

This product does not contain any DHS chemicals.

**Other International Regulations**

**Mexico - Grade** 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:** February 22, 2018

**Revision date:** September 01, 2023

**Revision note:** Syntax and spelling improvements and corrections were made.

*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.*