

# ***Valudor Products***

## **SAFETY DATA SHEET**

### **SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

Product Name	Fe DTPA 11%
Supplier	Valudor Products, LLC 179 Calle Magdalena Suite 100 Encinitas, CA 92024
Telephone	760-635-8500
Emergency Telephone	(800) 535 5053
CAS Number	19529-38-5

### **SECTION 2: HAZARD IDENTIFICATION**

Hazard symbol	None
Signal word	None
Hazard statement	The mixture does not meet the criteria for classification.
Precautionary statement	Prevention-Observe good industrial hygiene practices. Response-Wash hands after handling. Storage-Store away from incompatible materials. Disposal-Dispose of contents/container in accordance with local/regional /national/international regulations.
Supplemental information Hazard Statement	Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statement Prevention	Avoid release to the environment.
Environmental hazards	Hazardous to the aquatic environment, acute hazard Hazardous to the aquatic environment, Category 3 long-term hazard

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

##### Hazardous components

Chemical name	CAS number	%
DTPA 9% Fe	12389-75-2	90 - 100

### SECTION 4: FIRST AID MEASURES

Skin	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eyes	Rinse with water. Get medical attention if irritation develops and persists.
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case

Fire-fighting equipment/instructions	In the event of fire, cool tanks with water spray.
Specific methods	Special Fire Fighting Procedures

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	Keep out of low areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.
Methods and materials for containment and cleaning up	Stop the flow of material, if this is without risk. Collect spillage. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the MSDS
Environmental precautions	Avoid release to the environment. Contact local authorities in case of spillage to drain/ aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

**SECTION 7: HANDLING AND STORAGE:**

Precautions for safe handling	Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the MSDS).

**SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION INFORMATION**

Engineering Controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
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Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Protective Equipment	Clothing or Wear safety glasses with side shields (or goggles). Wear appropriate thermal protective clothing, when necessary. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid. Dry flowable powder.
Odor	Mild.
Color	Yellow.
Solubility	120 g/l @ 20 degrees C
Ph	8-9
Bulk density	650 kg/m <sup>3</sup> (approximate)

## SECTION 10: STABILITY AND REACTIVITY DATA

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

## SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	<u>Ingestion</u> Based on available data, the classification criteria are not met. <u>Inhalation</u> Due to lack of data the classification is not possible.
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Skin contact Due to lack of data the classification is not possible.

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

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

<u>Acute toxicity</u>	<u>Species</u>	<u>Test Results</u>
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Acute

Dermal

LD50

Rat 2000 mg/kg, estimated

Oral

LD50

Rat 10000 mg/kg, estimated

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
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Other

EC50

Algae > 60.6 mg/l

Acute

Dermal

LD50

Rat > 2000 mg/kg

Oral

LD50

Rat 10000 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

<u>Components</u>	<u>Species</u>
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Algae EC50

Green algae (Chlorella kessleri)

### Test Results

> 60.6 mg/l, 72 h, Inhibition of algal growth is due to the complexing properties of the stances and is not ascribed to an intrinsic toxicity

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
<i>Acute</i>		
Crustacea EC50	Daphnia magna	> 100 mg/l, 48 h
Fish LC50	Oncorhynchus mykiss (reported as	> 100 mg/l, 96 h,
Limit concentration test	Salmo gairdneri) only (LIMIT test)	

**Test Results**

No mortality was observed. Nominal values (confirmed by concentration control analytics)

*Chronic*

Crustacea	NOEC	Daphnia magna
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**Test Results**

31 mg/l, 21 d, the product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Nominal values (confirmed by concentration control analytics)

*Aquatic*

Algae EC10	Green algae (Chlamydomonas variabilis)	> 100 mg/l, 72h
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**Test Results**

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Nominal concentration.

**SECTION 13: DISPOSAL INFORMATION**

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**SECTION 14: TRANSPORT INFORMATION**

**DOT** Not regulated as dangerous goods.  
**IATA** Not regulated as dangerous goods.  
**IMDG** Not regulated as dangerous goods.

## SECTION 15: REGULATORY INFORMATION

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)** Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** Not listed.

### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

### **SARA 304 Emergency release notification**

Not regulated.

### **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

#### **Hazard categories**

Immediate Hazard No

Delayed Hazard No

Fire Hazard No

Pressure Hazard No

Reactivity Hazard No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

### **Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List** Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)** Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 131 O.02(b) and 131 O.04(f)(2) and**

**Chemical Code Number** Not listed.

Food and Drug Administration (FDA) Not regulated.

**US state**

### **US. Massachusetts RTK - Substance List**

Not regulated.

### **US. New Jersey Worker and Community Right-to-Know Act**

Not regulated.

### **US. Pennsylvania RTK - Hazardous Substances**

Not regulated.

### **US. Rhode Island RTK**

Not regulated.

### **US. California Proposition 65**

**WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

### **International Inventories**

<b>Country(s) or region inventory (yes/no)*</b>	<b>Inventory name</b>	<b>On</b>
Australia (AICS)      Yes	Australian Inventory of Chemical Substances	

Canada		Domestic Substances list (DSI)
No		
Canada		Non-Domestic Substances List (NDSI)
Yes		
China		Inventory of Existing Chemical Substances in
China (IECSC) Yes		
Europe		European Inventory of Existing Commercial
Chemical	Yes	
		Substances (EINECS)
Europe		European List of Notified Chemical
Substances (ELINCS)	No	
Japan		Inventory of Existing and New Chemical
Substances (ENCS)	No	
Korea		Existing Chemicals List (ECL)
No		
New Zealand		New Zealand Inventory
Yes		
Philippines		Philippine Inventory of Chemicals and
Chemical Substances	No	
United States & Puerto Rico		Toxic Substances Control Act (TSCA)
Inventory	Yes	

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country.

## **SECTION 16 OTHER INFORMATION**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Southern Agricultural Insecticides, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Southern Agricultural Insecticides, Inc. has been advised of the possibility of such damages.