

## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture  
 Product name : Che-Iron 4.5%

### 1.2. Recommended use and restrictions on use

Agricultural fertilizer use

### 1.3. Supplier

INNICTIS® BIOSCIENCE  
 PLANT HEALTH TECHNOLOGIES  
 P.O. Box 9296  
 Boise ID 83707, - USA  
 T 855-466-8428

### 1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-424-9300

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### GHS-US classification

Not classified

### 2.2. GHS Label elements, including precautionary statements

#### GHS US labelling

Signal word (GHS US) : Caution  
 Precautionary Statements (GHS US) : P101 - If medical advice is needed, have product container or label at hand.  
 P102 - Keep out of reach of children.  
 P103 - Read label before use.

### 2.3. Other hazards which do not result in classification

No additional information available.

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

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%
Proprietary*	(CAS-No.) Not Applicable	70-80%
EDTA Iron Salt Solution	15708-41-5	20-30%

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  
 First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.  
 First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  
 First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.  
 First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms and effects (acute and delayed)

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.  
 Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- |                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

#### 5.2. Specific hazards arising from the chemical

- |             |                 |
|-------------|-----------------|
| Flash Point | : Non-Flammable |
|-------------|-----------------|

#### 5.3. Special protective equipment and precautions for fire-fighters

- |                                |  |
|--------------------------------|--|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent firefighting water from entering the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.  |

### SECTION 6: Accidental release measures

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

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|----------------------|---|
| Personal precautions | : Use personal protective equipment specified in Section 8. Isolate the hazard area and deny entry to unnecessary, untrained and unprotected personnel. |
|----------------------|---|

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

- |                   |  |
|-------------------|--|
| Other information | : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials. |
|-------------------|--|

#### 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

- |                               |   |
|-------------------------------|---|
| Precautions for safe handling | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. |
|-------------------------------|---|

#### 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. Keep container closed when not in use. |
| Incompatible products  | : Strong bases. Strong acids.  |
| Incompatible materials | : Sources of ignition. Direct sunlight.  |

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

- |                                      |  |
|--------------------------------------|--|
| CHE-IRON 4.5%                        | : No additional information available. |
| EDTA Iron Salt Solution (15708-41-5) | : No additional information available. |
| Proprietary* (Not Applicable)        | : No additional information available. |

#### 8.2. Appropriate engineering controls

- |                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | : Use with adequate exhaust ventilation to prevent inhalation of product vapors. Keep eye wash/safety shower in areas where product is commonly handled. |
|----------------------------------|--|

#### 8.3. Individual protection measures/Personal protective equipment

##### Hand protection:

Wear protective gloves.

##### Eye/Face protection:

Chemical goggles or safety glasses.

##### Respiratory protection:

Wear appropriate mask.

##### Other information:

Do not eat, drink or smoke during use.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Clear, dark red liquid.
Color	: Dark Red
Odor	: Characteristic
Odor threshold	: No data available
pH	: 7
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non flammable
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: 11.4 lbs/gal
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Auto-ignition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Product is stable at ambient temperature and pressure, under normal storage and handling conditions.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Excessive heat. Direct sunlight. Extremely high or low temperatures.

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### 10.5. Incompatible materials

Strong oxidizers. Acids. bases. Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Fumes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified pH: 7
Serious eye damage/irritation	: Causes eye irritation. pH: 7
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available.

### 12.2. Persistence and degradability

<b>CHE-IRON 4.5%</b>	
Persistence and degradability	Not established.
<b>EDTA iron salt solution (15708-41-5)</b>	
Persistence and degradability	Not established.
<b>Proprietary* (Not Applicable)</b>	
Persistence and degradability	Not established.

### 12.3. Bio accumulative potential

<b>CHE-IRON 4.5%</b>	
Bio accumulative potential	Not established.

### 12.4. Mobility in soil

No additional information available.

### 12.5. Other adverse effects

Other information : Avoid unintentional release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid unintentional release to the environment.

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### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Other information : No supplementary information available.

#### Transportation of Dangerous Goods

#### Transport by sea

#### Air transport

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### CHE-IRON 4.5%

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

Proprietary*	CAS-No. Not Applicable	70 – 80%
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#### 15.2. International regulations

##### CANADA

##### EDTA iron salt solution (15708-41-5)

Listed on the Canadian DSL (Domestic Substances List)

##### Proprietary\* (Not Applicable)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

### SECTION 16: Other information

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SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*