

1. Identification

1.1 Product identifier	ChelStar Iron 11
1.2 Synonym(s)	Sodium Hydrogen Ferric Diethylenetriaminepentacetate * Sodium Ferric Diethylenetriamine penta-acetate * Sodium Ferric Diethylenetriaminepentaacetate
1.3 Relevant identified uses of the substance or mixture and uses advised against	
Intended use	Agriculture – Chelated Micronutrient.
Application Method	Refer to product label for application instructions.
Restrictions on use	None known.
1.4 Details of the supplier of the safety data sheet	
Company Name	Chemurgic Agricultural Chemicals, Inc. P.O. Box 2106 Turlock, CA 95381
Company Phone Numbers	DAYS: (209) 634-2951; EVES: (209) 652-7260
EMERGENCY PHONE NUMBERS:	
24-Hour Emergency Telephone Number	INFOTRAC: 1-800-535-5053 EPA National Response Center: (800) 424-8802

2. Hazard(s) identification

2.1 Classification of the substance or mixture	
Physical Hazards	Not classified.
Health Hazards	Not classified.
OSHA defined hazards	Not classified.
2.2 GHS Label elements	
Hazard symbol:	None
Signal word:	None
Hazard statement:	The mixture does not meet the criteria for classification.
Precautionary statements	
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 authority regulations.
2.3 Hazard(s) not otherwise classified (HNOC)	
	Not classified.

3. Composition/information on ingredients

Mixtures

Non-Hazardous components

Chemical Name	CAS Number	Weight %
Ferric Diethylenetriaminepentaacetate (DTPA), sodium salt	12389-75-2	90-100

4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention.
Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. If skin irritation occurs, get medical advice/attention.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Call a physician or Poison Control Center immediately.

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

Direct contact with eyes may cause temporary irritation.

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media:

None known.

5.2 Specific hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3 Advice for fire-fighters

Firefighting instructions:

Keep containers cool by spraying with water if exposed to fire.

Protection during firefighting:

Wear self-contained breathing apparatus and full protective clothing.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective clothing. For personal protective equipment, see section 8 of the SDS.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Prevent further leak or spill if safe to do so. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

7. Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin, eyes, and clothing. Wash hands thoroughly after handling. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container only. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits: No exposure limits noted for the ingredient(s).

8.2. Appropriate engineering control

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.

8.3 Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin protection:

Hand protection: Wear appropriate chemical resistant gloves.

Other: Wear suitable protective clothing.

Respiratory protection: Respiratory protection not required under normal operating conditions. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

Hygiene measures: Always observe good personal hygiene practices. Wash hands after handling the material and before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

9. Physical and chemical properties

Appearance

Physical state

Solid.

Form

Solid. Powder.

Color

Yellow

Odor

Odorless

Odor threshold

Not available

pH

5-7, 1% solution at 20° C

Melting point/freezing point

Not available

Initial boiling point and boiling range

Not available

Flash point

Not available

Evaporation rate

Not available

Flammability (solid)

Not available

Upper/lower flammability or explosive limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility(ies)	Not available
Partition coefficient n-octanol/water	Not available
Autoignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available

10. Stability and reactivity

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

11. Toxicological information

Information on toxicological effects

Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	No data available.
Serious Eye Damage/Irritation:	No data available.
Respiratory Sensitization:	No data available.
Skin Sensitization:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive toxicity:	No data available.
Specific target organ toxicity (single and repeated exposure):	No data available.
Aspiration hazard:	No data available.

Likely routes of exposure

Ingestion:	No data available.
Inhalation:	No data available.
Skin contact:	No data available.
Eye contact:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

Further Information:	Direct contact with eyes may cause temporary irritation. This product has no known adverse effect on human health.
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12. Ecological information

- 12.1. Ecotoxicity:** This 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:** Data not available
- 12.3. Bioaccumulative potential:** Data not available
- 12.4. Mobility in soil:** Data not available
- 12.5. Other adverse effects:** No other adverse environmental effects are expected from this component.

13. Disposal considerations

13.1. Waste treatment methods

Remove waste in accordance with local and/or national regulations. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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.

14. Transport information

DOT: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods.

15. Regulatory information

15.1 US Federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

SARA 304 Emergency release notification

Not regulated.

15.2 Other Federal regulations

Not regulated

15.3 US State regulations

U.S. California Proposition 65

Not Listed.



16. Other information

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This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

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