

# AgStar Iron Chelate DTPA 11%

**NOT HAZARDOUS GOODS**

## 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

<b>Product name:</b>	AgStar Iron Chelate DTPA 11%
<b>Recommended use:</b>	Micronutrient fertilizers
<b>Supplier:</b>	AgStar New Zealand Pty Limited
<b>Company No.:</b>	9429051252748
<b>Street Address:</b>	4 Putakitaki Street, Lincoln, Christchurch 7608
<b>Distributor:</b>	Farmlands Co-operative Society Limited
<b>Street Address:</b>	535 Wairakei Road, Burnside, Christchurch 8053
<b>Telephone:</b>	TEL 0800 200 600
<b>24 hour emergency contact:</b>	New Zealand 0800 CHEMCALL – 24 hours (0800 243 6225)
<b>National Poision Centre:</b>	0800 POISON (0800 764 766)

## 2. HAZARDS IDENTIFICATION

This material is **NOT** hazardous according to criteria of EPA New Zealand.

<b>HSNO Approval Code:</b>	HSR002571 - Fertilisers (Subsidiary Hazard) Group Standard 2020
<b>Signal Word</b>	None
<b>Hazard Classification</b>	NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
<b>Hazard Statements:</b>	None
<b>Prevention Precautionary Statements:</b>	None
<b>Response Precautionary Statements:</b>	None
<b>Storage Precautionary Statement:</b>	None
<b>Disposal Precautionary Statement:</b>	None
<b>DANGEROUS GOODS CLASSIFICATION:</b>	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code) and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

## 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Ferric sodium diethylenetriamine pentaacetic acid	12389-75-2	<=100 % (w/w)

## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

<b>Inhalation:</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention.
<b>Skin Contact:</b>	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.
<b>Eye contact:</b>	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.
<b>Ingestion:</b>	IF SWALLOWED: Rinse mouth. Get medical advice/attention if you feel unwell.
<b>PPE for First Aiders:</b>	No information available.
<b>Notes to physician:</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Treat symptomatically. *Most important symptoms and effects, both acute and delayed: None known.

## 5. FIRE FIGHTING MEASURES

<b>Hazchem Code</b>	No Data Available
<b>Suitable extinguishing media:</b>	Use dry chemical, Carbon dioxide (CO <sub>2</sub> ), foam or water spray for extinction. Do not scatter spilled material with high- pressure water streams.
<b>Firefighting further advice:</b>	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Fire may produce irritating and/or toxic gases. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

## 6. ACCIDENTAL RELEASE MEASURES

<b>SMALL SPILLS:</b>	Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.
<b>LARGE SPILLS:</b>	Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

Dangerous Goods - Initial Emergency Response Guide No: /

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dusts or mists and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8).
<b>Storage:</b>	Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Containers which are opened should be properly resealed and kept upright to prevent leakage. Protect from moisture/humidity. Keep away from heat and sources of ignition - No smoking. Keep away from food/feedstuffs and incompatible materials (see SECTION 10).

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>National occupational exposure limits:</b>	No value assigned for this specific material by WorkSafe New Zealand.
<b>Biological Limits Values:</b>	No information available.
<b>Engineering Measures:</b>	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.
<b>Personal Protection Equipment:</b>	<ul style="list-style-type: none"> <li>- Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate respirator (refer to AS/NZS 1715 &amp; 1716).</li> <li>- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Chemical goggles or face shield with safety glasses.</li> <li>- Hand protection: Handle with gloves. Recommended: Chemically resistant protective gloves.</li> <li>- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes.</li> </ul>
<b>Hygiene measures:</b>	Do not eat, drink or smoke when using this product. Always wash hands after handling the product and before smoking, eating, drinking or using the toilet. Take off contaminated clothing and wash it before reuse. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid
<b>Appearance</b>	Powder
<b>Odour</b>	Product specific
<b>Colour</b>	Yellow
<b>pH</b>	2 - 4 (1% sol'n @ 25°C)
<b>Vapour Pressure</b>	No Data Available
<b>Relative Vapour Density</b>	No Data Available
<b>Boiling Point</b>	Decomposes before boiling
<b>Melting Point</b>	No Data Available
<b>Freezing Point</b>	No Data Available
<b>Solubility</b>	Soluble in water - 113 g/l 30°C
<b>Specific Gravity</b>	No Data Available
<b>Flash Point</b>	No Data Available
<b>Auto Ignition Temp</b>	No Data Available
<b>Evaporation Rate</b>	No Data Available
<b>Bulk Density</b>	No Data Available

<b>Corrosion Rate</b>	No Data Available
<b>Decomposition Temperature</b>	>=180 °C
<b>Density</b>	1.607 g/cm <sup>3</sup>
<b>Specific Heat</b>	No Data Available
<b>Molecular Weight</b>	468.15 g/mol
<b>Net Propellant Weight</b>	No Data Available Octanol Water Coefficient
<b>Octanol Water Coefficient</b>	Log Kow: -11.9
<b>Particle Size</b>	No Data Available
<b>Partition Coefficient</b>	No Data Available
<b>Saturated Vapour Concentration</b>	No Data Available
<b>Vapour Temperature</b>	No Data Available
<b>Viscosity</b>	No Data Available
<b>Volatile Percent</b>	No Data Available
<b>VOC Volume</b>	No Data Available
<b>Additional Characteristics</b>	No information available.
<b>Potential for Dust Explosion</b>	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
<b>Fast or Intensely Burning Characteristics</b>	No information available.
<b>Flame Propagation or Burning Rate of Solid Materials</b>	No information available.
<b>Non-Flammables That Could Contribute Unusual Hazards to a Fire</b>	No information available.
<b>Properties That May Initiate or Contribute to Fire Intensity</b>	Non-flammable; May burn but does not ignite readily.
<b>Reactions That Release Gases or Vapours</b>	Fire/decomposition may produce irritating and/or toxic gases.
<b>Release of Invisible Flammable Vapours and Gases</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Avoid generating dust. Keep away from heat and sources of ignition.
<b>Incompatible materials:</b>	Incompatible/reactive with oxidising agents.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Fire/decomposition may produce irritating and/or toxic gases.
<b>Hazardous reactions:</b>	No dangerous reactions known under normal conditions of use.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### ACUTE EFFECTS

Inhalation:	No adverse effects due to inhalation are expected. Inhalation of dust may cause mild irritation.
Skin contact:	No adverse effects due to skin contact are expected. Prolonged skin contact may cause temporary irritation.
Ingestion:	Expected to be a low ingestion hazard.
Eye contact:	Direct contact with eyes may cause temporary irritation.

### ACUTE TOXICITY

Inhalation:	Not classified.
Skin contact:	Not classified.
Ingestion:	Not classified.
Corrosion/Irritancy:	Not classified.
Sensitisation:	Not classified.
Aspiration hazard:	Not classified.
Specific target organ toxicity (single exposure):	Not classified.

### CHRONIC TOXICITY

Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity:	Not classifiable as to carcinogenicity to humans.
Reproductive toxicity (including via lactation):	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity (repeat exposure):	No information available.

## 12. ECOLOGICAL INFORMATION

**Avoid contaminating waterways.**

<b>Acute aquatic hazard:</b>	No information available.
<b>Chronic aquatic hazard:</b>	No information available.
<b>Ecotoxicity in the soil environment:</b>	No information available.
<b>Ecotoxicity to terrestrial vertebrates:</b>	No information available.
<b>Ecotoxicity to terrestrial invertebrates:</b>	No information available.
<b>Ecotoxicity:</b>	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
<b>Persistence and degradability:</b>	No information available.
<b>Bioaccumulative potential:</b>	No information available.
<b>Mobility:</b>	No information available.

## 13. DISPOSAL CONSIDERATIONS

This material and its container must be disposed of in a safe manner. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Collect and reclaim or dispose in sealed containers at licensed waste disposal site and in accordance with all applicable regulations.

## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

### MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

## 15. REGULATORY INFORMATION

### Regulatory status:

Approved pursuant to the Hazardous Substances Act 1996 under the Fertilisers (Subsidiary hazards) Group standards HSR002571. See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

### HSNO Trigger quantities:

Trigger quantities for this substance:

SDS must be available for:	Any quantity
Bunding:	1000kg
Emergency management:	1000kg
Signage:	10,000kg

## 16. OTHER INFORMATION

### Reason for issue:

5 Year Revision

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer, it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.

This SDS summarises our best knowledge of the health and safety hazard information available for this product and how to safely handle and use it. Since the use of this information and the conditions of the use of this product are not under the control of AgStar, it is the user's responsibility to determine conditions of safe use of the product.