AgStar Iron Chelate EDTA 13%

NOT HAZARDOUS GOODS

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name:	AgStar Iron Chelate EDTA 13%
Recommended use:	Used as complexing agent, oxidizing agent, Photographic materials developed spray and bleaching agent, Plant nutrient
Supplier:	AgStar New Zealand Pty Limited
Company No.:	9429051252748
Street Address:	4 Putakitaki Street, Lincoln,Christchurch 7608
Distributor:	Farmlands Co-operative Society Limited
Street Adrress:	535 Wairakei Road, Burnside, Christchurch 8053
Telephone:	TEL 0800 200 600
24 hour emergency contact:	New Zealand 0800 CHEMCALL – 24 hours (0800 243 6225)
National Posion Centre:	0800 POISON (0800 764 766)

2. HAZARDS IDENTIFICATION

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

HSNO Approval Code:	HSR002571 - Fertilisers (Subsidiary Hazard) Group Standard 2020
Signal Word	None
Hazard Classification	None
Hazard Statements:	None
Prevention Precautionary Statements:	None
Response Precautionary Statements:	None
Storage Precautionary Statement:	None
Disposal Precautionary Statement:	None
DANGEROUS GOODS CLASSIFICATION:	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 EDTA	15708-41-5	>=99 - 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).

Inhalation:	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.
Skin Contact:	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.
Eye contact:	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.
Ingestion:	IF SWALLOWED: Rinse mouth, then drink plenty of water. Get medical advice/attention. Never give anything by mouth to an unconscious person.
PPE for First Aiders:	No information available.
Notes to physician:	Treat symptomatically. *Most important symptoms and effects, both acute and delayed: None known.

5. FIRE FIGHTING MEASURES

Hazchem Code	No Data Available
Suitable extinguishing media:	If material is involved in a fire, use dry chemical, Carbon dioxide (CO2), foam or water spray for extinction. Do not scatter spilled material with high-pressure water streams.
Firefighting further advice:	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. Thermal decomposition can lead to the release of irritating gases and vapours. Nitrous gases may be produced. 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

SMALL SPILLS:	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.
LARGE SPILLS:	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

Handling:	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 dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Storage:	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 - Product is hygroscopic. Keep away from heat and sources of ignition - No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:	No value assigned for this specific material by WorkSafe New Zealand.
Biological Limits Values:	No information available.
Engineering Measures:	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
Personal Protection Equipment:	- Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate respirator (refer to AS/NZS 1715 & 1716). - Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Chemical goggles or face shield with safety glasses. - Hand protection: Handle with gloves. Recommended: Chemically resistant protective gloves. - Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes.
Hygiene measures:	Do not eat, drink or smoke when using this product. Wash thoroughly after handling. 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

Physical State	Solid
Appearance	Powder or microgranular
Odour	Odourless
Colour	Yellow-green
pH	3.8 - 6.0
Vapour Pressure	No Data Available
Relative Vapour Density	No Data Available
Boiling Point	No Data Available
Melting Point	No Data Available
Freezing Point	No Data Available
Solubility	Soluble in water (72 g/l) 25°C (pH=5)
Specific Gravity	No Data Available
Flash Point	No Data Available
Auto Ignition Temp	207 °C

Evaporation Rate	No Data Available
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	1.78 g/cm3
Specific Heat	No Data Available
Molecular Weight	No Data Available
Net Propellant Weight	No Data Available
Octanol Water Coefficient	Log Pow: -8.841
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	No information available.
Potential for Dust Explosion	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.
Fast or Intensely Burning Characteristics	No information available.
Flame Propagation or Burning Rate of Solid Materials	No information available.
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No information available.
Properties That May Initiate or Contribute to Fire Intensity	May burn but does not ignite readily.
Reactions That Release Gases or Vapours	Thermal decomposition can lead to the release of irritating gases and vapours. Nitrous gases may be produced.
Release of Invisible Flammable Vapours and Gases	No information available.

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Avoid generating dust. Avoid water/humidity. Keep away from heat and sources of ignition. Take precautionary measures against static discharges.
Incompatible materials:	Incompatible/reactive strong oxidising agents, strong acids, strong bases, aluminium.

Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition can lead to the release of irritating gases and vapours. Nitrous gases may be produced.
Hazardous reactions:	No information available.

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:	Inhalation of vapours in high concentration may cause irritation of respiratory system.
Skin contact:	Non-irritating to the skin.
Ingestion:	Ingestion may cause irritation to mucous membranes.
Eye contact:	No eye irritation.

ACUTE TOXICITY

Inhalation:	Acute toxicity (Inhalation) LC50, Rat: >2.75 mg/l (4 h).
Skin contact:	Acute toxicity (Dermal) LD50, Rat: >2,000 mg/kg b.w..
Ingestion:	Acute toxicity (Oral) LD50, Rat: >2,000 mg/kg b.w..
Corrosion/Irritancy:	Not classified.
Sensitisation:	Not classified.
Aspiration hazard:	Not classified.
Specific target organ toxicity (single exposure):	Not classified.

CHRONIC TOXICITY

Mutagenicity:	No information available.
Carcinogenicity:	No information available.
Reproductive toxicity (including via lactation):	No information available.
Specific target organ toxicity (repeat exposure):	No information available.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.	No information available.
Acute aquatic hazard:	No information available.
Chronic aquatic hazard:	No information available.
Ecotoxicity in the soil environment:	No information available.
Ecotoxicity to terrestrial vertebrates:	No information available.
Ecotoxicity to terrestrial invertebrates:	No information available.
Ecotoxicity:	Aquatic toxicity: - Acute LC50, Fish: >100 mg/L (86 h) [OECD 203; Supplier's SDS]. - Acute EC50, Daphnia: 100.9 mg/L (48 h) [OECD 202; Supplier's SDS].
Persistence and degradability:	EDTA is not readily biodegradable according to OECD criteria, but ultimately biodegradable under special environmental conditions [ECHA].
Bioaccumulative potential:	No information available.
Mobility:	No information available.

13. DISPOSAL CONSIDERATIONS

This material and its container must be disposed of in a safe manner. Collect and reclaim waste from residues/unused product(s) or dispose of in sealed containers at a licensed waste disposal site and in accordance with local/regional/national regulations.

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.

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 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.