



InjectaMax

SECTION 1: IDENTIFICATION

Product name:	InjectaMax
ACVM registration no:	A011926
Recommended use:	An injectable supplemental source of zinc, manganese, copper, selenium and vitamin B12 for cattle.
Supplier:	HORIZON AGRESOURCES (NZ) Ltd
Address:	Gloucester Court 250 Gloucester St, Napier 4112, New Zealand
Contact number:	0800 378 6300
Emergency contact number:	0800 734 607 (24 hours)
National Poisons Centre:	0800 764 766 (0800 POISON)
Document version and date:	1.0 06 May 2022

SECTION 2: HAZARD IDENTIFICATION

HSNO Approval number:	HSR002521 Animal Nutritional and Animal Care Products Group Standard 2020
GHS Classification:	Acute oral toxicity Category 4 Skin sensitisation Category 1 Eye irritation Category 2 Specific target organ toxicity (repeated exposure) Category 2 Hazardous to the aquatic environment chronic Category 3 Hazardous to terrestrial vertebrates
Signal word:	Warning
GHS Pictogram:	 
Hazard statement:	H302: Harmful if swallowed. H316: Causes mild skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H373: May cause damage to organs through prolonged or repeated exposure. H412: Harmful to aquatic life with long lasting effects.
Prevention statement:	P102: Keep out of reach of children. P103: Read label before use. P260: Do not breathe mist. P264: Wash hands and exposed skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P272: Contaminated work clothing should not be allowed out of the workplace.

InjectaMax

P273: Avoid release to the environment.

P280: Wear protective gloves and eye/face protection.

Response statement:

P101: If medical advice is needed, have product container or label at hand.

P321: See first aid instruction on this label.

P314: Get medical advice/attention if you feel unwell.

P391: Collect spillage.

P330: Rinse mouth.

P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302 + P352: IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P362 + P364: Take off contaminated clothing and wash it before reuse.

Disposal statement:

P501: Dispose of contents and containers as specified on the registered label.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product ingredients	CAS Number	Concentration
Zinc (as disodium zinc EDTA)	104025-21-9	4%
Manganese (as disodium manganese EDTA)	15375-84-5	1%
Copper (as disodium copper EDTA)	14025-15-1	1.5%
Selenium (as sodium selenite)	10102-18-8	0.5%
Cyanocobalamin	68-19-9	0.14%

Remaining ingredients are commercially sensitive and cannot be disclosed in a public document.

SECTION 4: FIRST AID MEASURES

General information	For advice contact the National Poisons Centre on 0800 POISON (0800 764 766), or a doctor immediately. Observe good work practices and avoid skin and eye contact. Wash hands and exposed skin before meals and after use. Do not eat or drink while using. Launder protective clothing separately from other clothing, and before each re-use. SELF-INJECTION: Medical attention should be sought immediately.
Inhalation:	If inhaled: Remove to fresh air. If breathing is difficult, get medical attention.
Skin contact:	If skin or hair contact occurs: Remove contaminated clothing and flush skin and hair with running water. Get medical attention if irritation develops.
Eye contact:	If splashed in eyes: Wash out immediately with water. Get medical attention if irritation occurs.
Ingestion:	If swallowed: Rinse mouth out. Do NOT induce vomiting. Seek medical attention immediately. Have product container to hand.

InjectaMax

Workplace facilities:	No special facilities required.
Notes for medical personnel:	Apply symptomatic therapy (no specific antidote). Note the nature of the product (Acute oral toxicity, Skin and eye irritation).

SECTION 5: FIRE FIGHTING MEASURES

Fire and explosion hazards:	Non flammable
Extinguishing media	In case of fire: Water spray or fog / foam / dry chemical powder / carbon dioxide.
Fire Fighting	Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat and eye protection.
Flash point:	No data available
Auto ignition temperature:	No data available
Flammability class:	No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear appropriate protective equipment to prevent skin and eye exposure. Do not breathe mist.
Environmental precautions:	Restrict access to contaminated area. Contain the spill and prevent further dispersion. Reposition any leaking containers so as to minimise further leakage. Retrieve intact containers from the site. Place damaged containers into containment devices. Absorb spills with inert material, sand, vermiculite or other absorbent material, and place in waste containers. Wash the area with water and absorb with further inert material. Collect spilled material and place in sealable containers for subsequent disposal. Prevent contamination of water courses or sewers. Dispose of waste safely. For large quantities seek advice from the manufacturer. Avoid release to the environment.
Methods and materials for containment and cleaning up:	If greater than 100L is stored in one location, secondary containment and emergency plans to manage any potential spills must be in place. In all cases design storage to prevent discharge to storm-water drains. (If this occurs contact your regional council immediately).

SECTION 7: HANDLING AND STORAGE

Handling:	Read label before use. Wear protective gloves, protective clothing and eye/face protection. Do not breathe mist. Do not eat, drink or smoke when using this product. Wash hands and exposed skin thoroughly after handling. Avoid release to the environment.
Certified handler:	Not required
Tracking:	Not required
Storage:	Store below 25°C in original container, tightly closed. Keep out of reach of children.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational exposure limits:	Exposure limits have not been established for any of the significant ingredients in this product.
Engineering controls:	Prevent exposure by using personal protective equipment and work practices that prevent skin and eye contact, and prevent release to

InjectaMax

	the environment.
Protective material types:	Impervious gloves. Eye/face protection (e.g. glasses, goggles or face shield).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Purple solution, free of visible particles
Odour:	No data available
Odour threshold:	No data available
pH:	5.0 – 8.5
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	1.15-1.19 g/cm ³
Solubility (ies):	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Kinematic viscosity:	No data available
Particle characteristics:	No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Stable under normal conditions of use and storage.
Conditions to Avoid:	Avoid high temperatures.
Incompatibilities:	No data available.
Hazardous decomposition products:	Hazardous decomposition products are expected when heated to decomposition temperatures. Use appropriate PPE when fighting fires.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:	Sodium selenite: (Oral) Acute Tox.1 H300: Fatal if swallowed. Species: Rabbit Endpoint: LD50 Value: 1 mg Se/kg (Inhalation) Acute Tox.3 H331: Toxic if inhaled.
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	Species: Rabbit Endpoint: LD50 Value: 1 mg Se/kg
Skin corrosion/irritation:	Disodium copper EDTA: Skin Irrit.2 H315: Causes skin irritation.
Serious eye damage/ irritation:	Disodium copper EDTA: Sodium selenite: Eye Irrit.2 H319: Causes serious eye irritation.
Respiratory or skin sensitisation:	Disodium copper EDTA: Sodium selenite: Skin Sens.1 H317: May cause an allergic skin reaction.
Germ cell mutagenicity:	Sodium selenite: H341: Suspected of causing genetic defects.
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
Specific target organ toxicity – single exposure:	Disodium copper EDTA: STOT Single Exp.3 H335: May cause respiratory irritation. Oral Route
Specific target organ toxicity – repeated exposure:	Disodium copper EDTA: STOT Rep Exp.2 H373: May cause damage to organs through prolonged or repeated oral exposure. Sodium selenite: STOT Rep Exp.1 H372: Causes damage to organs through prolonged or repeated oral exposure. Primary Organ Effected: Hepatotoxicity (liver)
Aspiration hazard:	No data available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity- Aquatic:	<p>Sodium selenite: Aquatic Acute 1 H400: Very toxic to aquatic life. Short term toxicity to fish: SPECIES: Morone saxatilis (Striped bass) Type of exposure: Duration: 96 hr Endpoint: LC50 Value: 1.5 mg/L</p> <p>Short term toxicity to invertebrates: SPECIES: Daphnia magna Type of exposure: Duration: 48 hr Endpoint: LC50</p> <p>Toxicity to freshwater algae and cyanobacteria: SPECIES: Selenastrum capricornutum Type of exposure: Duration: 96 hr Endpoint: EC50 Value: 2.9 mg/l</p>
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	<p>Aquatic Chronic 1 H410: Very toxic to aquatic life with long lasting effects.</p> <p>Long term toxicity to fish: SPECIES: Morone saxatilis (Striped bass) Type of exposure: Duration: 96 hr Endpoint: LC50 Value: 1.5 mg/L</p> <p>Toxicity to freshwater algae and cyanobacteria: SPECIES: Selenastrum capricornutum Type of exposure: Duration: 96 hr Endpoint: EC50 Value: 2.9 mg/l</p>
Ecotoxicity- Terrestrial:	No data available
Persistence and degradability:	No data available
The potential to be bioaccumulative:	No data available
Mobility in soil:	No data available
Other adverse effects:	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal:	<p>Preferably dispose of the product by its intended use. If this isn't possible, dispose of product and packaging at an approved landfill or other approved hazardous waste disposal facility. Avoid contamination of any water source. Do NOT re-use container for any other purpose.</p>
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SECTION 14: TRANSPORT INFORMATION

UN Number:	Not applicable
UN proper shipping name:	Not applicable
UN dangerous goods class and subsidiary risk:	Not applicable
UN Packaging Group:	Not applicable
Environmental hazards:	Not applicable
Special precautions when transporting the substance:	Not applicable
Transport of Dangerous Goods Pictogram:	Not applicable

SECTION 15: REGULATORY INFORMATION

HSNO Approval number:	HSR002521 Animal Nutritional and Animal Care Products Group Standard 2020
ACVM registration	A011926

InjectaMax

no:	
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SECTION 16: OTHER INFORMATION

Abbreviations:	<p>ACVM: Agricultural Compounds and Veterinary Medicines EPA: Environmental Protection Agency (previously known as ERMA) CAS Number: Chemical Abstracts Service Registry Number GHS: Globally Harmonized System HAZCHEM Code: Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters HSNO: Hazardous Substances and New Organisms (Act and Regulations) UN Number: United Nations Number SDS: Safety Data Sheet ARTG: Australian Register of Therapeutic Goods Ceiling Exposure Value: The maximum airborne concentration of a biological or chemical agent to which a worker may be exposed at any time. Controls Matrix: List of default controls linking regulation numbers to Matrix code (e.g. T1, I16). IARC: International Agency for Research on Cancer LEL: Lower Explosive Limit STEL: Short Term Exposure Limit - The maximum airborne concentration of a chemical or biological agent to which a worker may be exposed in any 15-minute period, provided the TWA is not exceeded TWA: Time Weighted Average – generally referred to WES averaged over typical work day (usually 8 hours) WES: Workplace Exposure Standard - The airborne UEL: Upper Explosive Limit EC50: Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species) LD50: Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats). LC50: Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population (usually rats)</p>
References:	<p>Unless otherwise stated, toxicity information has been obtained from the EPA HSNO chemical classification information database (CCID) http://www.epa.govt.nz/hs/compliance/chemicals.html for specific chemicals. EPA Transfer Gazettes, Classifications and controls assigned for specific ingredients (consolidated gazette, 2004) Controls Matrix, Part of the EPA New Zealand User Guide to the HSNO Control Regulations WES 2013, The NZ Workplace Exposure Standards Effective from 2013, published by WorkSafe NZ and available on their web site – www.worksafe.govt.nz. Other References: Suppliers SDSs</p>
Disclaimer:	<p>This SDS was prepared by Horizon Agresources Ltd, and is based on our current state of knowledge, including information obtained from suppliers. This SDS is written in good faith and constitutes a guideline (not a guarantee of safety). The level of risk each substance poses is relevant to its properties (as summarised in the SDS) AND HOW THE SUBSTANCE IS USED. While guidelines are given for personal protective equipment, such precautions must be relevant to the use. The likely HSNO classifications, are based on experience, EPA Guidelines and international classifications. This SDS is copyright Horizon Agresources Ltd, and must not be edited without the permission of the copyright holder or used for other than intended purpose.</p>