


SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product name:	Marks-Min ZMSC with B12
Product code:	A011687
Recommended use:	Chelated trace element injection for beef and dairy cattle containing zinc, manganese, selenium, copper and vitamin B12 for supplementation.
Company details:	Boehringer Ingelheim Animal Health New Zealand Limited
Address:	Level 3, 2 Osterley Way Manukau Auckland 2104 New Zealand
Telephone number:	Phone: +64 9 263 1400
Emergency telephone number:	Boehringer Ingelheim Freephone: 0800 800 822 National Poisons Centre: 0800 764 766 (0800 POISON) Fire Service, Ambulance: Dial 111
Date of issue:	2 September 2019
Date of review:	21 March 2022

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:	Aqueous solution containing disodium zinc EDTA, disodium copper EDTA, disodium manganese EDTA, sodium selenite and cyanocobalamin.	
Product components:		
Name	CAS	Proportion (g/L)
Disodium zinc EDTA	14025-21-9	~163
Disodium copper EDTA	14025-15-1	~63
Disodium manganese EDTA	15375-84-5	~47
Sodium selenite	10102-18-8	~7.3
Cyanocobalamin	68-19-9	1.4
Other ingredients		To 1 L

SECTION 3: HAZARDS IDENTIFICATION

Hazard classifications:	Eye irritation (Category 2), Skin sensitisation (Category 1), Specific target organ toxicity – single exposure (Category 2), Specific target organ toxicity – repeated exposure (Category 2), Hazardous to the aquatic environment chronic (Category 3), Hazardous to the terrestrial environment
Hazard pictograms	
Signal word:	WARNING
Risk and safety phrases:	<p><u>Hazard Statements</u></p> <p>Health Hazard - Serious eye damage/eye irritation (Category 2) Causes serious eye irritation</p> <p>Health Hazard – Respiratory or skin sensitization (Category 1) Warning. May cause an allergic skin reaction</p>

Health Hazard - Specific target organ toxicity (Category 2)

Warning. May cause damage to organs

Warning. May cause damage to organs through prolonged or repeated exposure

Environmental hazards - Hazardous to the aquatic environment chronic (Category 3)

Harmful to aquatic life with long lasting effects

Environmental hazards - Hazardous to the terrestrial environment

Hazardous to terrestrial vertebrates

Precautionary statements**Precautionary statement - General**

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

P102 Keep out of reach of children

P103 Read carefully and follow all instructions

Precautionary statement - Prevention.

P260 Do not breathe dust/fume/gas/mist/vapours/spray

P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P264 Wash contaminated skin/eyes 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

P273 Avoid release to the environment

P280 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary statement - Response

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

P308+P311 IF exposed or concerned: Call a POISON CENTRE/Doctor

P314 Get medical advice/attention if you feel unwell

P321 Specific treatment - see Section 4: First Aid Measures

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

Precautionary statement - Storage

P405 Store locked up

Precautionary statement - Disposal

P501 Dispose of contents/container according to the label description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

SECTION 4: FIRST AID MEASURES**Necessary first aid measures:**

For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.

Eye Contact: IF IN 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.

	<p><u>Skin Contact:</u> Remove contaminated clothing and flush skin and hair with running water.</p> <p><u>Ingestion:</u> If ingested, get medical advice.</p> <p><u>Inhalation:</u> Remove patient to fresh air. Get medical attention if symptoms develop.</p>
Workplace facilities:	N/A
Required instructions:	N/A
Notes for medical personnel:	N/A

SECTION 5: FIRE FIGHTING MEASURES

Type of hazard:	Non-flammable
Fire hazard properties:	N/A
Regulatory requirements:	N/A
Extinguishing media and methods:	Recommended fire-fighting media - carbon dioxide, dry powders, water, BCF. Water is the preferred medium. Cool sealed drums with water to prevent rupture due to thermal expansion. Contain run-off. Keep non-involved persons away.
Hazchem code:	N/A
Recommended protective clothing:	Fire-fighters should wear totally-enclosed breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency procedures:	<p>Wear full protective equipment (overalls, chemical resistant gloves, boots and safety goggles).</p> <p>Prevent further spillage.</p> <p>Wash down affected area with water plus detergent. Absorb and collect washings and place in the same sealable container for disposal.</p> <p>Seek advice from the local authority regarding disposal.</p>
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SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	N/A
Regulatory requirements:	N/A
Handling practices:	N/A
Approved handlers:	Not required
Conditions for safe storage:	KEEP OUT OF REACH OF CHILDREN Store below 30 °C in original container, in a dry place. Protect from light. Keep container well closed.
Store site requirements:	N/A
Packaging:	N/A

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Workplace exposure standards:	N/A
Application in the workplace:	N/A
Exposure standards outside the workplace:	N/A
Engineering controls:	N/A
Personal protection:	Wear gloves and eye/face protection.

References:	N/A
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specify product data:	<u>Appearance:</u> Purple solution, free of visible particles. <u>Density:</u> 1.15-1.19 g/cm ³ <u>Boiling Point:</u> Not determined <u>Odour:</u> N/A <u>Water solubility:</u> N/A <u>pH:</u> 5.0 – 8.5 <u>Flammable:</u> No
Required specifications:	N/A
Further specifications:	N/A
Specific advice:	N/A

SECTION 10: STABILITY AND REACTIVITY

Stability of the substance:	Stable under normal conditions of use.
Conditions to avoid:	N/A.
Material to avoid:	N/A
Hazardous decomposition products:	N/A
Hazardous polymerization:	Will not occur
Specific data:	N/A

SECTION 11: TOXICOLOGICAL INFORMATION

Data and interpretation:	<u>Disodium zinc EDTA</u> LD ₅₀ : Rat 1750 mg/kg <u>Sodium selenite</u> LD ₅₀ : Rabbit 1 mg Se/kg (equivalent to 2.19 mg sodium selenite/kg bw)
Summaries data:	N/A
Effects of Acute Exposure:	N/A

SECTION 12: ENVIRONMENTAL INFORMATION

Potential environmental interactions:	None
Data organisation :	N/A
Environmental risk and safety phrases:	H412: Harmful to aquatic life with long lasting effects. 9.3B: Toxic to terrestrial vertebrates.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal information :	Preferably dispose of product by use. Otherwise dispose of product, packaging and waste at an approved landfill or equivalent facility. DO NOT use container for any other purpose.
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SECTION 14: TRANSPORT INFORMATION

Relevant information:	N/A
Other requirements:	N/A

SECTION 15: REGULATORY INFORMATION

Regulatory status:	Registered pursuant to the ACVM Act 1997, No. A011687. See www.foodsafety.govt.nz for registration conditions. Approved pursuant to the HSNO Act 1996, Approval Code HSR100757. See www.epa.govt.nz for approval conditions. Classified as Hazardous according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).
HSNO and ACVM controls:	Refer to Section 3
List exposure limits:	N/A

SECTION 16: OTHER INFORMATION

Additional information:	For product information visit the Boehringer Ingelheim website: www.boehringer-ingelheim.co.nz While the information set forth is believed to be accurate as of the date hereof, BOEHRINGER INGELHEIM makes no warranty with respect hereto and disclaims all liability from reliance thereon.
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