


## SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

|                                    |   |
|------------------------------------|---|
| <b>Product name:</b>               | <b>Marks-Min ZMS with B12</b>   |
| <b>Product code:</b>               | A011710   |
| <b>Recommended use:</b>            | Chelated trace element injection for sheep, beef cattle and dairy cattle containing zinc, manganese, selenium, and vitamin B12 for supplementation. |
| <b>Company details:</b>            | Boehringer Ingelheim Animal Health New Zealand Limited  |
| <b>Address:</b>                    | Level 3, 2 Osterley Way<br>Manukau<br>Auckland 2104<br>New Zealand  |
| <b>Telephone number:</b>           | Phone: +64 9 263 1400   |
| <b>Emergency telephone number:</b> | Boehringer Ingelheim Freephone: 0800 800 822<br>National Poisons Centre: 0800 764 766 (0800 POISON)<br>Fire Service, Ambulance: Dial 111            |
| <b>Date of issue:</b>              | 2 September 2019  |
| <b>Date of review:</b>             | 21 March 2022   |

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

|                                   |  |                         |
|-----------------------------------|--|-------------------------|
| <b>Chemical characterization:</b> | Aqueous solution containing disodium zinc EDTA, disodium manganese EDTA, sodium selenite and cyanocobalamin. |                         |
| <b>Product components:</b>        |  |                         |
| <b>Name</b>                       | <b>CAS</b>   | <b>Proportion (g/L)</b> |
| Disodium zinc EDTA                | 14025-21-9   | ~163                    |
| 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

|                                 |   |
|---------------------------------|---|
| <b>Hazard classifications:</b>  | Acute oral toxicity (Category 4), Skin sensitisation (Category 1), Hazardous to the aquatic environment chronic (Category 3), Hazardous to the terrestrial environment  |
| <b>Hazard pictograms</b>        |    |
| <b>Signal word:</b>             | WARNING   |
| <b>Risk and safety phrases:</b> | <p><b><u>Hazard Statements</u></b></p> <p><b>Health Hazard – Acute oral toxicity (Category 4)</b><br/>Warning. Harmful if swallowed</p> <p><b>Health Hazard – Respiratory or skin sensitization (Category 1)</b><br/>Warning. May cause an allergic skin reaction</p> <p><b>Environmental hazards - Hazardous to the aquatic environment chronic (Category 3)</b></p> |

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.**

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**

P301 + P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell

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

P321 Specific treatment – see Section 4: First Aid Measures

P330 Rinse mouth

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

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

**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 develops and persists: Get medical advice/attention.

Skin Contact: Remove contaminated clothing and flush skin and hair with running water.

Ingestion: If ingested, get medical advice.

Inhalation: Remove patient to fresh air. Get medical attention if symptoms develop.

**Workplace facilities:**

N/A

**Required instructions:**

N/A

**Notes for medical personnel:**

N/A

## SECTION 5: FIRE FIGHTING MEASURES

**Type of hazard:**

Non-flammable

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

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

## SECTION 7: HANDLING AND STORAGE

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

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

|  |              |
|--|--------------|
| <b>Workplace exposure standards:</b>             | N/A          |
| <b>Application in the workplace:</b>             | N/A          |
| <b>Exposure standards outside the workplace:</b> | N/A          |
| <b>Engineering controls:</b>                     | N/A          |
| <b>Personal protection:</b>                      | Wear gloves. |
| <b>References:</b>                               | N/A          |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                                 |  |
|---------------------------------|--|
| <b>Specify product data:</b>    | <u>Appearance</u> : Red solution, free of visible particles.<br><u>Density</u> : 1.10-1.16 g/cm <sup>3</sup><br><u>Boiling Point</u> : Not determined<br><u>Odour</u> : N/A<br><u>Water solubility</u> : N/A<br><u>pH</u> : 5.0 – 8.5<br><u>Flammable</u> : No |
| <b>Required specifications:</b> | N/A  |
| <b>Further specifications:</b>  | N/A  |
| <b>Specific advice:</b>         | N/A  |

**SECTION 10: STABILITY AND REACTIVITY**

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

**SECTION 11: TOXICOLOGICAL INFORMATION**

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

**SECTION 12: ENVIRONMENTAL INFORMATION**

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

**SECTION 13: DISPOSAL CONSIDERATIONS**

|                               |   |
|-------------------------------|---|
| <b>Disposal information :</b> | 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. |
|-------------------------------|---|

**SECTION 14: TRANSPORT INFORMATION**

|                              |     |
|------------------------------|-----|
| <b>Relevant information:</b> | N/A |
| <b>Other requirements:</b>   | N/A |

**SECTION 15: REGULATORY INFORMATION**

|                                |   |
|--------------------------------|---|
| <b>Regulatory status:</b>      | Registered pursuant to the ACVM Act 1997, No. A011710. See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions.<br><br>Approved pursuant to the HSNO Act 1996, Approval Code HSR100757. See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for approval conditions.<br><br>Classified as Hazardous according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). |
| <b>HSNO and ACVM controls:</b> | Refer to Section 3  |
| <b>List exposure limits:</b>   | N/A   |

## SECTION 16: OTHER INFORMATION

**Additional information:**

For product information visit the Boehringer Ingelheim website:

[www.boehringer-ingelheim.co.nz](http://www.boehringer-ingelheim.co.nz)

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