SAFETY DATA SHEET

1. Identification

Product identifier VetScan® HM2 Controls - CBC-Normal

Other means of identification
  Synonyms Human RBC Hematology Controls and Calibrators

Recommended use of the chemical and restrictions on use
  Recommended use Veterinary product used as diagnostic aid
  Restrictions on use Not for human use

Details of manufacturer or importer
  Company Name (AU) Zoetis Australia Pty Ltd
  ABN 94 156 476 425
  Level 6, 5 Rider Boulevard
  Rhodes NSW 2138 AUSTRALIA
  Tel 1800 814 883
  Fax (02) 8876 0444
  Email productsupport.au@zoetis.com
  Emergency Phone 1800 814 883 (all hours)
  Police and Fire Brigade Dial 000
  If ineffective Dial Poisons Information Centre (13 1126 from anywhere in Australia)

2. Hazard(s) identification

Classification of the hazardous chemical
  Physical hazards Not classified.
  Health hazards Not classified.
  Environmental hazards Not classified.

Label elements, including precautionary statements
  Hazard symbol(s) None.
  Signal word None.
  Hazard statement(s) The mixture does not meet the criteria for classification.
  Precautionary statement(s)
    Prevention Observe good industrial hygiene practices.
    Response Wash hands after handling.
    Storage Store away from incompatible materials.
    Disposal Dispose of waste and residues in accordance with local authority requirements.

Other hazards which do not result in classification None known.

Supplemental information Contains: Human blood. Handle as potentially infectious.

3. Composition/information on ingredients

Mixture
Contains: Human blood. Handle as potentially infectious.
The components are not hazardous or are below required disclosure limits.

4. First-aid measures

Description of necessary first aid measures
  Inhalation Move to fresh air. Call a physician if symptoms develop or persist.
  Skin contact Wash off immediately with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Get medical advice/attention if you feel unwell.
### 5. Fire-fighting measures

**Extinguishing media**

- **Suitable extinguishing media**: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
- **Unsuitable extinguishing media**: Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**

During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for fire fighters**

- **Fire fighting equipment/instructions**: Move containers from fire area if you can do so without risk.

**Hazchem code**

- **General fire hazards**: None.
- **Specific hazards**
  - **Hazchem code**: None.
  - **No unusual fire or explosion hazards noted.**

**General fire hazards**

Use standard firefighting procedures and consider the hazards of other involved materials.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

- **For non-emergency personnel**: Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained.
- **For emergency responders**: Keep unnecessary personnel away. Handle as if containing infectious material. Wear appropriate protective equipment and clothing during clean-up. Do not get in eyes, on skin, or on clothing. Do not breathe mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protection recommended in Section 8 of the SDS.

**Environmental precautions**

- **Methods and materials for containment and cleaning up**: Avoid discharge into drains, water courses or onto the ground.

**Large Spills**: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Clean surface thoroughly to remove residual contamination. Clean with disinfectants.

**Small Spills**: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Clean with disinfectants.

- **Never return spills to original containers for re-use.** For waste disposal, see section 13 of the SDS.

### 7. Handling and storage

**Precautions for safe handling**

- **Handle as if containing infectious material.** The standard biosafety practices for handling infectious materials should be followed. Do not get in eyes, on skin, or on clothing. Do not breathe mist or vapour. Observe good industrial hygiene practices. Handle and open container with care. When using, do not eat, drink or smoke. Wash thoroughly after handling. Avoid release to the environment.
Conditions for safe storage, including any incompatibilities
Store in tightly closed original container in a dry, cool and well-ventilated place. @ 2 - 8°C (36 - 46°F). Store away from incompatible materials (see Section 10 of the SDS). Store as directed by product packaging.

8. Exposure controls and personal protection
Control parameters
The standard biosafety practices for handling infectious materials should be followed.

Occupational exposure limits
No exposure limits noted for ingredient(s).

Biological limit values
No biological exposure limits noted for the ingredient(s).

Exposure guidelines
No exposure standards allocated.

Appropriate engineering controls
Provide adequate general and local exhaust ventilation.

Individual protection measures, for example personal protective equipment (PPE)

Eye/face protection
Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection
Wear appropriate chemical resistant gloves.

Other
Wear suitable protective clothing. Use protective clothing (uniforms, lab coats, disposable overalls, etc.) in both production and laboratory areas.

Respiratory protection
No personal respiratory protective equipment normally required. Respiratory protection should be provided in instances where exposure to dust, mists, aerosols or vapors are likely.

Thermal hazards
Not applicable.

Hygiene measures
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties
Appearance

Physical state
Liquid.

Form
Liquid.

Colour
Not available.

Odour
Odourless.

Odour threshold
Not available.

pH
Not available.

Melting point/freezing point
Not available.

Initial boiling point and boiling range
Not available.

Flash point
Not available.

Evaporation rate
Not available.

Flammability (solid, gas)
Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)
Not available.

Flammability limit - upper (%)
Not available.

Explosive limit - lower ( %)
Not available.

Explosive limit – upper (%)
Not available.

Vapour pressure
Not available.

Vapour density
Not available.

Relative density
Not available.

Solubility(ies)

Solubility (water)/miscible

Partition coefficient (n-octanol/water)
Not available.

Auto-ignition temperature
Not available.
Decomposition temperature  Not available.
Viscosity  Not available.

Other physical and chemical parameters
Explosive properties  Not explosive.
Oxidising properties  Not oxidising.

10. Stability and reactivity
Reactivity  The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability  Material is stable under normal conditions.
Possibility of hazardous reactions  No dangerous reaction known under conditions of normal use.
Conditions to avoid  Contact with incompatible materials. Heat. High temperatures.
Incompatible materials  Strong oxidising agents.
Hazardous decomposition products  No hazardous decomposition products are known.

11. Toxicological information
Information on possible routes of exposure
Inhalation  Health injuries are not known or expected under normal use.
Skin contact  Prolonged skin contact may cause temporary irritation.
Eye contact  Direct contact with eyes may cause temporary irritation.
Ingestion  May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms related to exposure  Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness, or discomfort.

Acute toxicity  Handle as potentially infectious. The standard biosafety practices for handling infectious materials should be followed.
Skin corrosion/irritation  Prolonged skin contact may cause temporary irritation.
Serious eye damage/irritation  Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitisation
Respiratory sensitisation  Due to partial or complete lack of data the classification is not possible.
Skin sensitisation  Due to partial or complete lack of data the classification is not possible.
Germ cell mutagenicity  Due to partial or complete lack of data the classification is not possible.
Carcinogenicity  Due to partial or complete lack of data the classification is not possible.
Reproductive toxicity  Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - single exposure  Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure  Due to partial or complete lack of data the classification is not possible.
Aspiration hazard  Due to partial or complete lack of data the classification is not possible.
Other information  Handle as containing infectious material.

12. Ecological information
Ecotoxicity  Due to partial or complete lack of data the classification for hazardous to the aquatic environment, is not possible. The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Avoid release to the environment.
Persistence and degradability  No data is available on the degradability of this product.
Bioaccumulative potential  No data available for this product.
Mobility in soil  No data available for this product.
Other adverse effects  No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
13. Disposal considerations

Disposal methods
Handle as potentially infectious. Avoid release to the environment. Do not allow this material to drain into sewers/water supplies. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater. Dispose of contents/container in accordance with local/regional/national/international regulations.

Residual waste
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging
Do not re-use empty containers.

14. Transport information

ADG
Not regulated as dangerous goods.

RID
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not established.

15. Regulatory information

Safety, health and environmental regulations

National regulations
This Safety Data Sheet was prepared in accordance with the Australia Model Code of Practice for the preparation of safety data sheets for hazardous chemicals.

- Australia Medicines & Poisons Appendix A
  Poisons schedule number not allocated.
- Australia Medicines & Poisons Appendix B
  Poisons schedule number not allocated.
- Australia Medicines & Poisons Appendix D
  Poisons schedule number not allocated.
- Australia Medicines & Poisons Appendix E
  Poisons schedule number not allocated.
- Australia Medicines & Poisons Appendix F
  Poisons schedule number not allocated.
- Australia Medicines & Poisons Appendix G
  Poisons schedule number not allocated.
- Australia Medicines & Poisons Appendix H
  Poisons schedule number not allocated.
- Australia Medicines & Poisons Appendix I
  Poisons schedule number not allocated.
- Australia Medicines & Poisons Appendix J
  Poisons schedule number not allocated.
- Australia Medicines & Poisons Appendix K
  Poisons schedule number not allocated.
- Australia Medicines & Poisons Schedule 10
  Poisons schedule number not allocated.
- Australia Medicines & Poisons Schedule 2
  Poisons schedule number not allocated.
- Australia Medicines & Poisons Schedule 3
  Poisons schedule number not allocated.
Australia Medicines & Poisons Schedule 4
Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 5
Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 6
Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 7
Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 8
Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 9
Poisons schedule number not allocated.

High Volume Industrial Chemicals (HVIC)
Not listed.

Importation of Ozone Deleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)
Not listed.

National Pollutant Inventory (NPI) substance reporting list
Not listed.

Prohibited Carcinogenic Substances
Not regulated.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)
Not listed.

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)
Not listed.

Restricted Carcinogenic Substances
Not regulated.

International regulations

Stockholm Convention
Not applicable.

Rotterdam Convention
Not applicable.

Kyoto Protocol
Not applicable.

Montreal Protocol
Not applicable.

Basel Convention
Not applicable.

International Inventories

<table>
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<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
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<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
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<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
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<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
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<td>European List of Notified Chemical Substances (ELINCS)</td>
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<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
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<td>Existing Chemicals List (ECL)</td>
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<td>Taiwan</td>
<td>Taiwan Chemical Substance Inventory (TCSI)</td>
<td>No</td>
</tr>
</tbody>
</table>
Country(s) or region | Inventory name | On inventory (yes/no)*
---|---|---
United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date 26-September-2019

Disclaimer Zoetis Inc. believes that the information contained in this Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time. The information in the sheet was written based on the best knowledge and experience currently available.

Revision information Product and Company Identification: Synonyms
Composition / Information on Ingredients: Ingredients
Physical & Chemical Properties: Multiple Properties