

SAFETY DATA SHEET

Zoetis New Zealand Limited



Section 1: Identification of the Substance and Supplier

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| Trade Name: | Witness® BoviD-5 Test Kit* Witness® Giardia Test Kit* Witness® Lepto* Witness® FIV Test Kit* Witness® Parvo Test Kit* Witness® Relaxin* Witness® LH* Witness® FeLV / FIV* |
| ACVM Registration No.: | Not applicable |
| Classification: | Not applicable |
| Recommended Use: | Veterinary product used as diagnostic aid |
| Company Details: | Zoetis New Zealand Limited |
| Address: | Level 4, 8 Mahuhu Crescent Auckland Central Auckland 1010 New Zealand |
| Telephone: | 0800 963 847 (Business Hours) |
| Emergency Telephone: | National Poisons Centre: 0800 POISON (0800 764 766) Emergency Services: In an emergency dial 111 |
| Date of Preparation: | May 2019 |

Section 2: Hazards Identification

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| Hazard Classification: | 6.1E, 9.1C, 9.3C |
| Priority Identifier(s): | WARNING – KEEP OUT OF REACH OF CHILDREN |
| Secondary Identifier(s): | <ul style="list-style-type: none">• May be harmful if swallowed, inhaled or absorbed through the skin. Avoid skin contact. Wash hands and exposed skins before meals and after work.• Harmful to aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.• Harmful to terrestrial vertebrates. |

Section 3: Composition / Information on Ingredients

Chemical Identity of Ingredients

| Ingredient | CAS No. | Concentration (%) |
|---|--------------|-------------------|
| Diluent buffer* | Proprietary* | * |
| Sodium Azide (diluent preservative) | 26628-22-8 | <1* |
| May contain Polyethylene glycol t-octylphenyl ether | 9002-93-1 | 0 – 0.1 |
| Other ingredients determined not to be hazardous. | | |

* Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4: First Aid Measures

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| First Aid Measures: | <p>For advice contact the National Poisons Centre at 0800 POISON (0800 764 766) or a doctor immediately.</p> <p>If the patient is not breathing begin artificial respiration and seek medical advice immediately. Never give fluids or induce vomiting if a patient is unconscious or convulsing, regardless of injury.</p> <p>Ingestion: If the patient is conscious wash mouth out with water. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical advice immediately.</p> <p>Eye Contact: Flush the eye(s) out with running water for at least 15 minutes. Remove contact lenses if easy to do and continue rinsing. If symptoms develop seek medical advice immediately.</p> <p>Skin Contact: Remove any contaminated clothing and wash the affected area immediately with soap and water. If symptoms develop seek medical advice immediately.</p> <p>Inhalation: Move the patient to a well-ventilated area. If symptoms develop seek medical advice immediately.</p> |
| Poisoning Symptoms: | Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness or discomfort. |
| Workplace Facilities: | No specific facilities required. Standard emergency equipment must be available. |
| Hygiene Practices: | Avoid ingestion, contact with skin and eyes, and inhalation of dusts, mists or vapours. Do not eat, drink or smoke while using this product. Wash hands and exposed skin before eating, drinking or smoking and after work. Wash any protective clothing after use. |
| Notes for Medical Personnel: | Treat symptomatically. |

Section 5: Fire-Fighting Measures

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| Type of hazard: | This product is non-flammable, non-combustible and non-explosive. |
| Fire Hazard Properties: | During fire, gases hazardous to health may be formed. |
| Regulatory Requirements: | Not applicable. |
| Extinguishing Media & Methods: | Use water fog, foam, dry chemical powder or carbon dioxide to extinguish fires involving this product. Do not use water jet as this may spread the fire. |
| Hazchem Code: | Not allocated. |
| Recommended Protective Clothing: | During large-scale fire fighting operations wear approved positive pressure, self-contained breathing apparatus and full protective turn-out gear. |

Section 6: Accidental Release Measures

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| Personal Precautions: | Handle as potentially infectious. Personnel involved in clean-up should wear appropriate personal protective equipment to minimise exposure. This may include eye protection, chemically resistant gloves, boots and overalls. |
| Environmental Precautions: | Prevent material from entering surface water drains or waterways. If a significant quantity of material enters drains, advise emergency services. |
| Procedure for Spills: | <ol style="list-style-type: none">1. Non-essential personnel should be evacuated from the affected area.2. Stop the leak and contain the source of spill if it is safe to do so. Reposition any leaking containers to minimise further leakage.3. If appropriate, absorb the spill with an absorbent material (e.g. sand).4. Collect the spilled material into labelled containers for disposal, minimising dust generation.5. Decontaminate the spill area thoroughly with detergent and water, preventing runoff from entering drains. |
| Procedure for Disposal: | Contaminated material should be disposed of at an approved landfill or other approved facility in accordance with local, regional and national requirements. Avoid contamination of any water supply with product or empty container. |

Section 7: Handling and Storage

Handling

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| Precautions for Safe Handling: | No special technical protective measures required. No special handling advice required. |
| Regulatory Requirements: | Not required. |
| Handling Practices: | Ensure adequate ventilation. Handle as potentially infectious. Avoid ingestion, contact with skin and eyes, and inhalation of dusts, mists or vapours. Do not eat, drink or smoke while handling this product. Wash hands and exposed skin before eating, drinking or smoking and after work. Wash any protective clothing after use. |
| Approved Handlers: | Approved handlers are not required for this product. |

Storage

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| Conditions for Safe Storage: | Store at 20°C - 25°C. Do not freeze. Protect from heat and light. Store away from direct sunlight. Keep away from heat, sparks and open flame. Store away from incompatible materials. Keep out of reach of children. Store in a well-ventilated area. |
| Store Site Requirements: | No additional requirements. |
| Packaging: | Store in the original container, tightly closed, away from foodstuffs. |

Section 8: Exposure Control / Personal Protection

Always Read and Follow the Label Instructions and Warnings

| Workplace Exposure Guidelines | | | | | | | | | | | | | | | | | | | | |
|--|--|------------------------------------|------|-------|-------------------------------------|---------|-----------------------------------|-----|-----------------------------------|-------------|---------|------------------------------------|-------------|---------|----------------------------------|--------------------------------------|------|-----------------------|-----|-----------------------|
| Workplace Exposure Standards: | <p>The following Occupational Exposure Limits have been set overseas for Sodium Azide (diluent preservative; CAS # 26628-22-8), which can be absorbed through the skin:</p> <table border="1"> <thead> <tr> <th>Organisation</th> <th>Type</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td rowspan="2">National Workplace OELs (Australia)</td> <td>Ceiling</td> <td>0.3 mg/m³ 0.11 ppm</td> </tr> <tr> <td>TWA</td> <td>0.3 mg/m³ 0.11 ppm</td> </tr> <tr> <td>ACGIH (USA)</td> <td>Ceiling</td> <td>0.29 mg/m³ 0.11 ppm</td> </tr> <tr> <td>NIOSH (USA)</td> <td>Ceiling</td> <td>0.3 mg/m³ 0.1 ppm</td> </tr> <tr> <td rowspan="2">EH 40 Workplace Exposure Limits (UK)</td> <td>STEL</td> <td>0.3 mg/m³</td> </tr> <tr> <td>TWA</td> <td>0.1 mg/m³</td> </tr> </tbody> </table> | Organisation | Type | Value | National Workplace OELs (Australia) | Ceiling | 0.3 mg/m ³ 0.11 ppm | TWA | 0.3 mg/m ³ 0.11 ppm | ACGIH (USA) | Ceiling | 0.29 mg/m ³ 0.11 ppm | NIOSH (USA) | Ceiling | 0.3 mg/m ³ 0.1 ppm | EH 40 Workplace Exposure Limits (UK) | STEL | 0.3 mg/m ³ | TWA | 0.1 mg/m ³ |
| Organisation | Type | Value | | | | | | | | | | | | | | | | | | |
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| EH 40 Workplace Exposure Limits (UK) | STEL | 0.3 mg/m ³ | | | | | | | | | | | | | | | | | | |
| | TWA | 0.1 mg/m ³ | | | | | | | | | | | | | | | | | | |
| Application in the Workplace: | <p>No biological exposure limits have been noted for the ingredients.</p> <p>The nature of this product makes it unlikely that these levels will be approached during normal handling.</p> | | | | | | | | | | | | | | | | | | | |
| Exposure Standards Outside the Workplace: | None set. | | | | | | | | | | | | | | | | | | | |
| Engineering Controls: | Good general ventilation should be used. Ventilation rates should be applicable to the conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. General ventilation normally adequate. | | | | | | | | | | | | | | | | | | | |
| Personal Protection: | <p>The following instructions are for those coming into frequent and/or lengthy contact with this product. For occasional handling, employ precautions suitable for the conditions under which the product is being handled.</p> <p>Hands: Chemical resistant gloves are recommended if skin contact is possible and for bulk processing operations.</p> <p>Eyes: Wear safety glasses with side shields (goggles).</p> <p>Skin: When prolonged or frequently repeated contact could occur, utilise chemically protective clothing (e.g. face shield, gloves, boots, lab coat or overalls) depending on the situation.</p> <p>Respiratory: Respiratory protection is not normally required; however, if necessary utilise an air-purifying respirator that complies with NZ standards.</p> | | | | | | | | | | | | | | | | | | | |
| General Hygiene: | Change work clothes regularly. Avoid ingestion, contact with skin and eyes, and inhalation of dusts, mists or vapours. Do not eat, drink or smoke while handling this product. Wash hands and exposed skin before eating, drinking or smoking and after work. Wash any protective clothing after use. | | | | | | | | | | | | | | | | | | | |

Section 9: Physical and Chemical Properties

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| Appearance: | Liquid |
| Odour: | Not available |
| Specific Gravity / Density: | Not available |
| Melting Point: | Not available |
| Boiling Point: | Not available |
| pH: | Not available |
| Solubility in Water: | Not available |
| Flashpoint: | Not available |
| Oxidising Properties: | Not oxidising |
| Explosive Properties: | Not explosive |
| Vapour Pressure: | Not available |

Section 10: Stability and Reactivity

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| Stability of the Substance: | These products are stable and non-reactive under normal conditions of use. |
| Conditions to Avoid: | Contact with incompatible materials. |
| Material to Avoid: | Strong oxidizing agents. |
| Hazardous Decomposition Products: | No hazardous decomposition products are known. |
| Hazardous Polymerisation: | No dangerous reaction known under conditions of normal use. |
| Specific Data: | No specific data available |

Section 11: Toxicological Information

HSNO Classifications

6.1E Harmful – may be harmful if swallowed, inhaled or absorbed through the skin. Avoid skin contact. Wash hands and exposed skins before meals and after work.

Acute Effects

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| Ingestion: | Expected to be a low ingestion hazard. |
| Eye contact: | Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness, or discomfort. <ul style="list-style-type: none">• Polyethylene glycol t-octylphenyl ether: Rabbit Moderate |
| Skin Contact: | Prolonged skin contact may cause temporary irritation. This product is not expected to cause skin sensitisation. <ul style="list-style-type: none">• Polyethylene glycol t-octylphenyl ether: Rabbit Mild |
| Inhalation: | Health injuries are not known or expected under normal use. This product is not a respiratory sensitiser. |

| Mutagenicity: | No data available to indicate products or components present at greater than 0.1% are mutagenic or genotoxic. | | |
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| Carcinogenicity: | These products are not considered to be carcinogenic by IARC, ACGIH, NTP or OSHA. | | |
| Reproductive Toxicity: | These products are not expected to cause reproductive or developmental effects. | | |
| Specific Target Organ Toxicity: | Not classified. | | |
| Component | Test | Species | Test Results |
| Witness® Diagnostic Test Kits | Dermal | - | > 5000 mg/kg (Calculated ATE) |
| | Oral | - | > 5000 mg/kg (Calculated ATE) |
| Sodium Azide (diluent preservative; CAS # 26628-22-8) | Dermal LD50 | Rabbit | 20 mg/kg |
| | Oral LD50 | Rat | 27 mg/kg |
| Polyethylene glycol t-octylphenyl ether (CAS # 9002-93-1) | Oral LD50 | Rat | 1800 mg/kg |

| Chronic / Long Term Effects |
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| There are no known chronic / long-term exposure effects associated with these products. |

| Section 12: Ecological Information | |
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| HSNO Classifications | |
| 9.1C | Harmful to aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container. |
| 9.3C | Harmful to terrestrial vertebrates. |

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| Avoid contamination of any water supply with product or empty containers. |
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| Ecotoxicity Effects | | | |
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| Aquatic: | | | |
| Component | Test | Species | Test Results |
| Sodium Azide (diluent preservative; CAS # 26628-22-8): | LC50 | <i>Lepomis macrochirus</i> (Bluegill Sunfish) <i>Oncorhynchus mykiss</i> (Rainbow Trout) <i>Pimephales promelas</i> (Fathead Minnow) | 0.7 mg/L 0.8 mg/L 5.46 mg/L |
| Polyethylene glycol t-octylphenyl ether (CAS # 9002-93-1) | LC50 | <i>Lepomis macrochirus</i> (Bluegill Sunfish) | 2.8 - 3.2 mg/L, 96 hours |
| Crustacea | EC50 | Water flea (<i>Daphnia pulex</i>) | 2.8 - 6.2 mg/L, 48 hours |
| Fish | LC50 | Bluegill (<i>Lepomis macrochirus</i>) | 0.68 mg/L, 96 hours |

| Environmental Fate | |
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| Persistence and degradability: | No data is available on the degradability of these products. |
| Bioaccumulative potential: | No data available. |
| Mobility in soil: | No data available. |
| Other adverse effects: | Polyethylene glycol t-octylphenyl ether (CAS # 9002-93-1) may cause long-term adverse effects in the aquatic environment. |

| Section 13: Disposal Considerations | |
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| Product Disposal: | Handle as potentially infectious. Preferably dispose of product by use in accordance with label directions. Otherwise dispose of product at an approved landfill, or other approved facility in accordance with local, regional and national regulations. Avoid contamination of any water supply with product. |
| Container Disposal: | Dispose of empty containers by wrapping in paper and putting in garbage for disposal at an approved landfill, or other approved facility in accordance with local, regional and national regulations. Avoid contamination of any water supply with empty container. |

| Section 14: Transport Information | |
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| Dangerous Goods Classification | |
| UN No.: | This product is not classified as a Dangerous Good under the relevant legislation. |
| Class: | Not applicable |
| Packing Group: | Not applicable |
| Proper Shipping Name: | Not applicable |

| Section 15: Regulatory Information | |
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| ACVM Registration No.: | This product does not require registration under the ACVM Act 1997 |
| ACVM Conditions: | Not applicable |
| HSNO Approval No.: | HSR002647 |
| HSNO Controls: | See www.epa.govt.nz for approval controls |

Section 16: Other Information

Note: This is a diagnostic product and must be used in accordance with the label directions. Data has been submitted to the relevant Government regulatory and/or biosecurity agency for evaluation where required to allow for the importation and sale of this product.

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| CONTACT POINT: | Zoetis New Zealand Limited: | 0800 963 847 (Business Hours) |
| | National Poisons Centre: | 0800 764 766 (0800 POISON) |
| | Emergency Services: | 111 |

This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

PLEASE READ ALL LABELS CAREFULLY BEFORE USING THIS PRODUCT

If clarification of further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

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