SAFETY DATA SHEET

1. Identification

Product identifier: Witness® Diagnostic Test Kit

Other means of identification


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: Handle as potentially infectious. Direct contact with eyes may cause temporary irritation. May contain Polyethylene glycol t-octylphenyl ether: SVHC: Substance of Very High Concern.

3. Composition/information on ingredients

Mixture

<table>
<thead>
<tr>
<th>Identity of chemical ingredients</th>
<th>CAS number and other unique identifiers</th>
<th>Concentration of ingredients (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Azide (diluent preservative)</td>
<td>26628-22-8</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>
Composition comments
*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Description of necessary first aid measures

Inhalation
Move to fresh air. Call a physician if symptoms develop or persist. For breathing difficulties, oxygen may be necessary.

Skin contact
Immediately flush skin with plenty of water. Wash off with soap and water. Get medical attention if irritation develops and persists. Get medical attention if symptoms occur.

Eye contact
Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Continue rinsing. Get medical attention if symptoms occur. Get medical attention if irritation develops and persists.

Ingestion
If ingestion of a large amount does occur, call a poison control centre immediately. Rinse mouth. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person.

Personal protection for first-aid responders
Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness, or discomfort.

Symptoms caused by exposure
Treat symptomatically.

Medical attention and special treatment
Treat symptomatically.

5. Fire-fighting measures

Extinguishing media
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Suitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Unsuitable extinguishing media
During fire, gases hazardous to health may be formed.

Specific hazards arising from the chemical
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special protective equipment and precautions for fire fighters
Move containers from fire area if you can do so without risk.

Hazchem code
None.

General fire hazards
No unusual fire or explosion hazards noted.

Specific methods
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.

For emergency responders
Handle as potentially infectious. Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

Environmental precautions
Avoid discharge into drains, water courses or onto the ground.
Methods and materials for containment and cleaning up

Ensure adequate ventilation. Avoid inhalation of vapours or mists. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

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

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

Provide adequate ventilation. Wear personal protective equipment. Handle as potentially infectious. Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapour. Observe good industrial hygiene practices. Wash thoroughly after handling. When using, do not eat, drink or smoke. Avoid release to the environment. Do not empty into drains.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place. @ 20 - 25C / 68 - 77F. 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 (see Section 10 of the SDS).

8. Exposure controls and personal protection

Control parameters

Follow standard monitoring procedures.

Occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Azide (diluent preservative) (CAS 26628-22-8)</td>
<td>Ceiling</td>
<td>0.3 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.11 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Azide (diluent preservative) (CAS 26628-22-8)</td>
<td>TWA</td>
<td>0.3 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.11 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Azide (diluent preservative) (CAS 26628-22-8)</td>
<td>Ceiling</td>
<td>0.29 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.11 ppm</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Azide (diluent preservative) (CAS 26628-22-8)</td>
<td>Ceiling</td>
<td>0.3 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.11 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Azide (diluent preservative) (CAS 26628-22-8)</td>
<td>STEL</td>
<td>0.3 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1 mg/m3</td>
</tr>
</tbody>
</table>

UK. EH40 Workplace Exposure Limits (WELs)

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Azide (diluent preservative) (CAS 26628-22-8)</td>
<td>TWA</td>
<td>0.2 mg/m3</td>
<td>Inhalable fraction.</td>
</tr>
</tbody>
</table>

Biological limit values

No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate.

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 coveralls, etc.) in both production and laboratory areas.

Respiratory protection No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

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.

Odour Not available.
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) Not available.
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.
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.
Polyethylene glycol t-octylphenyl ether++ Species: Rabbit Severity: Mild

Eye contact Direct contact with eyes may cause temporary irritation.
Polyethylene glycol t-octylphenyl ether++ Species: Rabbit Severity: Moderate

Ingestion Expected to be a low ingestion hazard.

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

Acute toxicity

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Witness® Diagnostic Test Kit</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td>&gt; 5000 mg/kg (Calculated ATE)</td>
</tr>
<tr>
<td><strong>Components</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyethylene glycol t-octylphenyl ether++ (CAS 9002-93-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>1800 mg/kg</td>
</tr>
<tr>
<td><strong>Sodium Azide (diluent preservative) (CAS 26628-22-8)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>Rabbit</td>
<td>20 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>27 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.
Serious eye damage/irritation Direct contact with eyes may cause temporary irritation.

Eye contact Direct contact with eyes may cause temporary irritation.
Polyethylene glycol t-octylphenyl ether++ Species: Rabbit Severity: Moderate
Respiratory or skin sensitisation
Respiratory sensitisation  Not a respiratory sensitizer.
Skin sensitisation  This product is not expected to cause skin sensitisation.
Germ cell mutagenicity  No data available to indicate product or any components present at greater than 0.1% are
mutagenic or genotoxic.
Carcinogenicity  Due to partial or complete lack of data the classification is not possible.

ACGIH Carcinogens
Sodium Azide (diluent preservative) (CAS 26628-22-8)  A4 Not classifiable as a human carcinogen.

Reproductive toxicity  This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure  Not classified.
Specific target organ toxicity - repeated exposure  Not classified.
Aspiration hazard  Not an aspiration hazard.
Chronic effects  Health injuries are not known or expected under normal use.
Other information  ++ May contain Polyethylene glycol t-octylphenyl ether.

12. Ecological information
Ecotoxicity  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.
May cause long lasting harmful effects to aquatic life. Avoid release to the environment.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species Description</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene glycol t-octylphenyl ether++ (CAS 9002-93-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic  Fish  LC50  Bluegill (Lepomis macrochirus)</td>
<td>2.8 - 3.2 mg/l, 96 hours</td>
<td></td>
</tr>
<tr>
<td>Sodium Azide (diluent preservative) (CAS 26628-22-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic  Crustacea  EC50  Water flea (Daphnia pulex)</td>
<td>2.8 - 6.2 mg/l, 48 hours</td>
<td></td>
</tr>
<tr>
<td>Aquatic  Fish  LC50  Bluegill (Lepomis macrochirus)</td>
<td>0.68 mg/l, 96 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lepomis macrochirus (Bluegill Sunfish)</td>
<td>0.7 mg/l</td>
</tr>
<tr>
<td></td>
<td>Oncorhynchus mykiss (rainbow trout)</td>
<td>0.8 mg/l</td>
</tr>
<tr>
<td></td>
<td>Pimephales promelas (Fathead Minnow)</td>
<td>5.46 mg/l</td>
</tr>
</tbody>
</table>

Persistence and degradability  No data is available on the degradability of this product.
Bioaccumulative potential  No data available.
Mobility in soil  No data available for this product.
Other adverse effects  ++ May contain Polyethylene glycol t-octylphenyl ether: SVHC: Substance of Very High Concern. May cause long-term adverse effects in the aquatic environment.

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. Do not discharge into drains, water courses or onto the ground.
Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of
waste into sewer. 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  Since emptied containers may retain product residue, follow label warnings even after container is
emptied.

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 Not established.
Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

Safety, health and environmental regulations

National regulations

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>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
</tr>
<tr>
<td>Taiwan</td>
<td>Taiwan Chemical Substance Inventory (TCSI)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

*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 01-December-2016
Revision date 01-March-2019

Key abbreviations or acronyms used
ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).

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.