Section 1 - Identification of the Substance/Mixture and Supplier

Zoetis Australia Pty Ltd
ABN 94 156 476 425
Level 6, 5 Rider Blvd
Rhodes NSW 2138 AUSTRALIA
Tel: 1800 814 883
Fax: (02) 8876 0444
Email: productsupport.au@zoetis.com

Product Identifier: EAZI-BREED CIDR® Cattle Device
APVMA Code: 49840
Other names: None
Chemical family: Delivers progesterone which is a female sex hormone
Recommended Use: Intravaginal hormonal device for oestrus synchronisation (controlled breeding) in cattle
Restrictions on use: For veterinary use only
Emergency Phone: 1800 814 883 (all hours)

Section 2 - Hazards Identification

Appearance: Solid
Classification of the Substance or Mixture
GHS - Classification
Reproductive Toxicity: Category 1B
Carcinogenicity: Category 1B

Label Elements
Signal Word: Danger
Hazard Statements:
H350 - May cause cancer
H360 - May damage fertility or the unborn child

Precautionary Statements:
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P308 + P313 - IF exposed or concerned: Get medical attention/advice
P405 - Store locked up
P501 - Dispose of contents/container in accordance with all local and national regulations

Other Hazards
Long Term: Repeat-dose studies in animals have shown a potential to cause adverse effects on the developing fetus.
Known Clinical Effects: Adverse effects most commonly reported in clinical use include menstrual irregularities, weight changes, fluid retention, drowsiness, sleepiness, dizziness, sedation, and gastrointestinal disturbance.

Note: This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary
Section 3 - Composition/Information on Ingredients

Hazardous Ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>Conc,%</th>
<th>GHS Classification</th>
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<tbody>
<tr>
<td>Progesterone</td>
<td>57-83-0</td>
<td>5</td>
<td>Carc. 1B (H350)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Repr. 1B (H360)</td>
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</table>

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>Conc,%</th>
<th>GHS Classification</th>
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<tr>
<td>Silicone rubber</td>
<td>63394-02-5</td>
<td>*</td>
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<tr>
<td>Polyester rubber</td>
<td>155123-66-3</td>
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</tr>
<tr>
<td>Nylon 66</td>
<td>32131-17-2</td>
<td>*</td>
<td>Not Listed</td>
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</tbody>
</table>

Additional Information: * Proprietary Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

Section 4 - First Aid Measures

Description of First Aid Measures

Eye Contact: Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.

Skin Contact: Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

Inhalation: Remove to fresh air and keep patient at rest. Seek medical attention immediately.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms and Effects of Exposure: For information on potential signs and symptoms of exposure, See Section 2 – Hazards Identification and/or Section 11 - Toxicological Information.

Medical Conditions Aggravated by Exposure: None known

Indication of the Immediate Medical Attention and Special Treatment Needed

Notes to Physician: None

Section 5 - Fire Fighting Measures

Extinguishing Media: Extinguish fires with CO₂, extinguishing powder, foam, or water.
Special Hazards Arising from the Substance or Mixture

Hazardous Combustion Products: Formation of toxic gases is possible during heating or fire.

Fire / Explosion Hazards: Fine particles (such as dust and mists) may fuel fires/explosions.

Advice for Fire-Fighters
During all firefighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

Section 6 - Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures
Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

Environmental Precautions
Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

Methods and Material for Containment and Cleaning Up

Measures for Cleaning / Collecting: Contain the source of spill if it is safe to do so. Collect spilled material by a method that controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of dry solids. Clean spill area thoroughly.

Additional Consideration for Large Spills: Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

Section 7 - Handling and Storage

Precautions for Safe Handling
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Releases to the environment should be avoided. Use appropriate personal protective equipment.

Conditions for Safe Storage, Including any Incompatibilities
Specific end use(s): No data available

Section 8 - Exposure Controls and Personal Protection

Control Parameters
Refer to available public information for specific member state Occupational Exposure Limits.

Progesterone
Zoetis OEL TWA 8-hr 30 μg/m³ Skin

Exposure Controls
Engineering Controls: Engineering controls should be used as the primary means to control exposures. Keep airborne contamination levels below the exposure limits listed above in this section. General room ventilation is adequate unless the process generates dust, mist or fumes.
Personal Protective Equipment: Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).

Hands: Wear impervious gloves if skin contact is possible.

Eyes: Safety glasses or goggles

Skin: Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas.

Respiratory protection: If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

Section 9 - Physical and Chemical Properties:

<table>
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<th>Physical State:</th>
<th>Solid</th>
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<td>Melting/Freezing Point (°C):</td>
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<td>Boiling Point (°C):</td>
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<tr>
<td>Partition Coefficient: (Method, pH, Endpoint, Value)</td>
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</table>

Progesterone
Predicted 7.4 Log D 4.04

Decomposition Temperature (°C): No data available

Evaporation Rate (Gram/s): No data available

Vapor Pressure (kPa): No data available

Vapor Density (g/ml): No data available

Relative Density: No data available

Viscosity: No data available

Flammability:

| Autoignition Temperature (Solid) (°C): | No data available |
| Flammability (Solids): | No data available |
| Flash Point (Liquid) (°C): | No data available |
| Upper Explosive Limits (Liquid) (% by Vol.): | No data available |
| Lower Explosive Limits (Liquid) (% by Vol.): | No data available |

Section 10 - Stability and Reactivity

Reactivity: No data available

Chemical Stability: Stable under normal conditions of use.

Possibility of Hazardous Reactions

Oxidizing Properties: No data available

Conditions to Avoid: Fine particles (such as dust and mists) may fuel fires/explosions.

Incompatible Materials: As a precautionary measure, keep away from strong oxidizers

Hazardous Decomposition Products: No data available
Section 11 - Toxicological Information

Information on Toxicological Effects

General Information: Toxicological properties of the formulation have not been fully investigated. The information included in this section describes the potential hazards of the individual ingredients.

Acute Toxicity: (Species, Route, End Point, Dose)

Progesterone
- Rat Oral LD$_{50}$ >5000 mg/kg
- Rat Sub-tenon injection (eye) LD$_{50}$ 327mg/kg

Acute Toxicity Comments: A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.

Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

Progesterone
- 2 Year(s) Rabbit Intramuscular 13 mg/kg LOEL Female reproductive system
- 74 Week(s) Dog Subcutaneous 0.08-22.5 mg/day (increased dose) LOEL Female reproductive system

Reproduction & Development Toxicity: (Duration, Species, Route, Dose, End Point, Effect(s))

Progesterone
- Reproductive & Fertility Rabbit No route specified Dose not specified Embryotoxicity
- Embryo / Fetal Development Rat No route specified Dose not specified Not Teratogenic
- Embryo / Fetal Development Monkey No route specified Dose not specified Not Teratogenic

Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

Progesterone
- Bacterial Mutagenicity (Ames) Negative
- In Vivo Dominant Lethal Assay Mouse Negative
- In Vivo Chromosome Aberration Rat Negative
- In Vitro Chromosome Aberration Human Negative
- In Vitro Cell Transformation Assay Rat Positive

Carcinogenicity: (Duration, Species, Route, Dose, End Point, Effect(s))

Progesterone
- 2 Year(s) Rabbit Intramuscular 13 mg/kg NOEL Not carcinogenic
- 18 Month(s) Mouse Subcutaneous 0.059 mg/day LOEL Malignant tumors, Female reproductive system, Mammary Gland
- 40 Week(s) Rat Subcutaneous 200 mg/kg/day LOEL Malignant tumors, Liver
- 19 Week(s) Female Mouse Subcutaneous 25 mg/kg (5 days/week) LOEL Tumors, Mammary gland

Carcinogen Status: See below

Progesterone
- IARC: Group 2B (Possibly Carcinogenic to Humans)
- NTP: Reasonably Anticipated To Be A Human Carcinogen
- OSHA: Listed

Section 12 - Ecological Information

Environmental Overview: Environmental properties have not been investigated. Releases to the environment should be avoided.
Toxicity: No data available

Persistence and Degradability: No data available

Bio-accumulative Potential: No data available

Progesterone
Predicted 7.4 Log D 4.04

Mobility in Soil: No data available

Section 13 - Disposal Considerations

Disposal: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities use a commercial waste disposal service.

Section 14 - Transport Information

The following refers to all modes of transportation unless specified below.

Not regulated for transport under ADG, IATA, or IMDG regulations.

Section 15 - Regulatory Information

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Silicone rubber
Australia (AICS): Present

Nylon 66
Australia (AICS): Present

Progesterone
Australia (AICS): Present

Poison Schedule: Schedule 5

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Data Sources: The data contained in this SDS may have been gathered from confidential internal sources, raw material suppliers, or from the published literature.

Acronyms:

ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS Australian Inventory of Chemical Substances
SWA Safe Work Australia, formerly ASCC and NOHSC
CAS number Chemical Abstracts Service Registry Number
Hazchem Code Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC International Agency for Research on Cancer
NOS Not otherwise specified
NTP National Toxicology Program (USA)
SUSMP Standard for the Uniform Scheduling of Medicines & Poisons
UN Number United Nations Number

SAFETY DATA SHEET

Issued by: Zoetis Australia Pty Ltd Phone: 1800 814 883

Poisons Information Centre: 13 11 26 from anywhere in Australia
This version issued: 21 September 2021 and is valid for 5 years from this date

Supersedes: Revision issued 01 Oct 2016

Revision History:

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<tr>
<th>Date of Revision</th>
<th>Reason</th>
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<tbody>
<tr>
<td>30 Apr 2015</td>
<td>Update to GHS</td>
</tr>
<tr>
<td>01 Oct 2016</td>
<td>Corrections to GHS hazard classification, hazard and precautionary statements, minor formatting changes.</td>
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<tr>
<td>21 Sep 2021</td>
<td>Periodical revision</td>
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Contact Points:

<table>
<thead>
<tr>
<th>Zoetis</th>
<th>1800 814 883</th>
</tr>
</thead>
<tbody>
<tr>
<td>Police and Fire Brigade:</td>
<td>Dial 000</td>
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If ineffective: Dial Poisons Information Centre
(13 11 26 from anywhere in Australia)

THIS SDS SUMMARISES OUR CURRENT AND BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION ABOUT THE PRODUCT DETAILED IN THIS SDS, AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE FOR THE RECOMMENDED USE. EACH USER OF THE PRODUCT MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THEIR OWN WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT ZOETIS.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document “Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice” (December 2011)
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End of Safety Data Sheet