



ODB INJECTION

Abbey Animal Health Pty Ltd SAFETY DATA SHEET

Section 1- Identification of Product and Supplier

Supplier Company Details: Abbey Animal Health Pty Ltd
Address: 16 Voyager Circuit, Glendenning NSW 2761, Australia
Telephone Number: 02 8088 0720
Facsimile Number: 02 8088 0721

Emergency Number: Australian Poisons Information Centre: 13 11 26 (24 Hour service).

PRODUCT NAME
ODB INJECTION

PRODUCT USE

To improve the precision of the onset of oestrus and maximise fertility in oestrous synchronisation programmes using an intravaginal insert containing progesterone in cycling cattle. To induce oestrus and ovulation after progesterone priming with an intravaginal insert containing progesterone in the treatment of anoestrus in cattle.

Section 2- Hazards Identification

Statement of Hazardous Nature

This product is classified as: Classified as hazardous according to the criteria of SWA.

ADG Classification: Dangerous Good according to Australian Dangerous Goods (ADG) Code criteria when transported by road or rail. Refer to Section 14.

GHS Signal word: DANGER

GHS Classification:

Serious eye damage/eye irritation - Category 2A
Carcinogenicity - Category 1
Reproductive toxicity - Category 1
Reproductive toxicity - Effects on or via lactation
Short-term (acute) aquatic hazard - Category 3
Long-term (chronic) aquatic hazard - Category 1

Pictograms



HAZARD STATEMENT(S)

- H319 - Causes serious eye irritation.
- H350 - May cause cancer.
- H360 - May damage fertility or the unborn child.
- H362 - May cause harm to breast-fed children.
- H410 - Very toxic to aquatic life with long lasting effects.

PREVENTION

- P201 - Obtain special instructions before use.
- P281 - Use personal protective equipment as required.
- P280 - Wear eye or face protection.
- P273 - Avoid release to the environment.
- P263 - Avoid contact during pregnancy or while nursing.
- P270 - Do not eat, drink or smoke when using this product.
- P264 - Wash thoroughly after handling.

RESPONSE

- P391 - Collect spillage.
- P308 + P313 - IF exposed or concerned: Get medical advice or attention.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313 - If eye irritation persists: Get medical advice or attention.

STORAGE

- P405: Store locked up.

DISPOSAL

- P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Section 3- Composition / Information on Ingredients

INGREDIENTS:

Chemical Name	CAS No.	Content (%)
Benzyl alcohol	100-51-6	≥10 - <25
Estradiol benzoate	50-50-0	<1
Non-hazardous Ingredients	Secret	to 100

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other nonhazardous ingredients are also present.

Section 4- First Aid Measures

Call Poisons Information Centre Phone Australia 131 126, if you feel that you may have been poisoned or irritated by this product.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately.

Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or Waistband.

Skin: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Ingestion: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Potential acute health effects

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Eye contact: Causes serious eye irritation.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following: pain or irritation, watering, redness.

Inhalation: Adverse symptoms may include the following: reduced foetal weight, increase in foetal deaths, skeletal malformations.

Skin contact: Adverse symptoms may include the following: reduced foetal weight, increase in foetal deaths, skeletal malformations.

Ingestion: Adverse symptoms may include the following: reduced foetal weight, increase in foetal deaths, skeletal malformations.

Section 5- Fire Fighting Measures

Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Specific hazards arising from the chemical: In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products: Decomposition products may include the following materials: carbon dioxide, carbon monoxide.

Special protective equipment and precautions for fire Fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 - Accidental Release Measures

Emergency Procedures: Wear approved respiratory protection, chemical-resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental precautions: In the event of a major spill, prevent spillage from entering drains or water courses.

Method of Containment and Clean-up Procedures: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7 - Handling and Storage

Handling: Put on appropriate personal protective equipment (see Section 8). Avoid exposure – obtain special instructions before use. Avoid contact during pregnancy or while nursing. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage: Store below 25°C (air conditioning). Protect from light. Refrigerate open bottle, use within 7 days of opening.

Section 8 - Exposure Controls / Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment.

Respiratory equipment: **AS/NZS1715**, Protective Gloves: **AS2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m3)	STEL (mg/m3)
Exposure limits have not been established by SWA for any of the significant ingredients in this product.		

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used in a well-ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: None required.

Skin Protection: Mixers, loaders, applicators and other handlers must wear long-sleeve shirt and long pants; shoes plus socks; chemical-resistant gloves made of nitrile or neoprene rubber; chemical-resistant apron for mixers/loaders, persons cleaning equipment, and persons exposed to the concentrate.

Protective Material Types: We suggest that protective clothing be made from the following materials: Cotton, rubber, PVC.

Respirator: None required.

Section 9 - Physical and Chemical Properties

Physical state	Liquid Oily solution
Colour	Clear. Pale yellow. yellow
Odour	Not Available
Melting point/freezing point :	Not Available
Boiling point or initial boiling point and boiling range	Not Available
Flammability	Not Available
lower and upper explosion limit/flammability limit	Not Available
Flash point	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
Ph	Not Available
Kinematic viscosity	Not Available
Solubility in Oil	Soluble
Partition coefficient: n-octanol/water (log value)	Not Available
Vapour pressure	Not Available
Density and/or relative density	Not Available
Relative vapour density, and	Not Available
Particle characteristics.	Not Available

Section 10 - Stability and Reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: Stable.

Conditions to Avoid: None.

Chemical to Avoid: No Specific data.

Incompatibilities: None.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 - Toxicological Information

Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Benzyl Alcohol	LC50 Inhalation Dusts and mists	Rat	>4178	4 hours
	LD50 Dermal	Rabbit	mg/m ³	-
	LD50 Oral	Rat	2000 mg/kg 1230 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Exposure
Benzyl Alcohol	Skin - Mild irritant	Man	48 hours 16mg
	Skin - Moderate irritant	Pig	100%
	Skin - Moderate irritant	Rabbit	24 hours 100mg
	Eyes - Irritant	Rabbit	-

Sensitisation: Not available.

Mutagenicity: Not available.

Carcinogenicity: Not available.

Reproductive toxicity: Not available.

Teratogenicity: Not available.

Specific target organ toxicity (single exposure): Not Available.

Specific target organ toxicity (repeated exposure): Not Available.

Aspiration hazard: Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation: No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Adverse symptoms may include the following: pain or irritation, watering, and redness.

Inhalation Adverse symptoms may include the following: reduced foetal weight, increase in foetal deaths, and skeletal malformations.

Skin contact: Adverse symptoms may include the following: reduced foetal weight, increase in foetal deaths, skeletal malformations.

Ingestion: Adverse symptoms may include the following: reduced foetal weight, increase in foetal deaths, skeletal malformations.

General: No known significant effects or critical hazards.

Carcinogenicity: May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity: No known significant effects or critical hazards.

Reproductive toxicity: May damage fertility or the unborn child. May cause harm to breast-fed children.

Section 12 - Ecological Information

Toxicity

Product/ingredient name	Result	Species	Exposure
Benzyl Alcohol	Acute EC50 230 mg/l	Daphnia – Daphnia magna	48 hours
	Acute LC50 10000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
Estradiol benzoate	Acute EC50 >3.1 mg/l	Algae	72 hours
	Acute EC50 2.87 mg/l	Daphnia - Daphnia magna	48 hours
	Chronic NOEC 0.523 mg/l	Algae - Pseudokirchnerella subcapitata	72 hours
	Chronic NOEC 0.2 mg/l	Daphnia - Daphnia magna	48 hours
	Chronic NOEC 0.00000286 mg/l	Fish - Oryzias latipes	72 hours

Persistence and degradability

Bioaccumulative potential

Product/ingredient name	LogPow	Potential
benzyl alcohol	0.87	Low
estradiol benzoate	4.01	high

Mobility in soil

Soil/water partition coefficient (KOC): Not available

Other adverse effects: : No known significant effects or critical hazards.

Section 13 - Disposal Considerations

Disposal Method: Dispose of container by wrapping with paper and putting in garbage.

Section 14 - Transport Information

No specific transport considerations apply since *ODB Injection* is NOT classified as a dangerous good according to Australian Dangerous Goods (ADG) Code.

CLASSIFIED AS DANGEROUS GOODS when transported by sea or air.

IMDG

UN NO.: 3082

First Effective Date: 05th April 2023

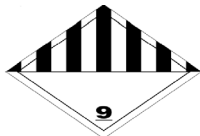
UN proper shipping name: Environmentally Hazardous Substance, Liquid, N.O.S. (Estradiol benzoate),

Class & Subsidiary Risk: 9

Packaging Group: III

Marine Pollutant: Yes

IATA; IMDG; RID



Marine Pollutant:



Section 15 - Regulatory Information

Poisons Schedule: 4

APVMA Approval Number: 92123

Approved pack size: 20mL, 100 mL

For more information please refer to the APVM approved product label

Section 16 – Other Information

Abbey Animal Health Pty Ltd

Telephone Number: 02 8088 0720

Facsimile Number: 02 8088 0721

Emergency Number: Australian Poisons Information Centre: 13 11 26 (24 Hour service).

This Safety Data Sheet (SDS) summarizes our best knowledge of the health and safety hazard information of the product according to the GHS requirements and how to safely handle and use the product in the workplace.

Each user must review this SDS in the context of how the product will be handled and used in the workplace.

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

***Note: This SDS is valid for 5 years from the effective date.**