

# Safety Data Sheet

According to New Zealand, Hazardous Substances and New Organisms Act 1996 (HSNO Act) and Regulations, as amended.

**Initial preparation date:** 01.09.2019

Page **1** of **11**

**Revision date:** 04.12.2024

## BIORELEASE DESLORIN (BRD)

### SECTION 1: Identification

#### Product identifier

**Product name:** BIORELEASE DESLORELIN (BRD)

**Synonyms:** BIORELEASE DESLORELIN; INJECTABLE GONADOTROPHIN RELEASING HORMONE (GnRH) ANALOGUE

**Additional information:** None

#### Recommended use of the product and restriction on use:

**Relevant identified uses:** VETERINARY USE: For the induction of ovulation in the mare

**Uses advised against:** Not for human use.

**Reasons why uses advised against:** Veterinary product.

#### Manufacturer or supplier details

**Supplier:**

**Dechra Veterinary Products NZ Limited**

PO Box 1604,

Paraparaumu Beach, 5252

New Zealand

Phone: 0800 479 838

Email: [info.nz@dechra.com](mailto:info.nz@dechra.com)

Website: <http://www.dechra.co.nz/>

#### Emergency telephone number:

**National Poisons Centre, New Zealand**

0800 764 766

### SECTION 2: Hazards identification

**Not Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.**

**Classified in accordance with the relevant criteria of the HSNO Act 1996, the Hazardous Substances (Classification) Notice 2017 and the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017, New Zealand.**

**HSNO Classification or Subclasses – Physical hazards:** Not applicable

**HSNO Classification or Subclasses – Health hazards:**

Class	GHS Category	HSNO Category
Acute toxicity (oral)	Category 4	6.1D

**HSNO Classification or Subclasses – Environmental hazards:** Not applicable

# Safety Data Sheet

According to New Zealand, Hazardous Substances and New Organisms Act 1996 (HSNO Act) and Regulations, as amended.

Initial preparation date: 01.09.2019

Page 2 of 11

Revision date: 04.12.2024

## BIORELEASE DESLORIN (BRD)

### GHS classification:

Acute toxicity (oral), category 4

### Label elements

#### Hazard pictogram(s):



**Signal word:** Warning

#### Hazard statements:

H302 Harmful if swallowed

#### Precautionary statements:

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents and container in accordance with local regulations.

#### Hazards not otherwise classified:

None.

## SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 120-51-4	Benzyl benzoate	80-90
CAS number: 100-51-6	Benzyl Alcohol	1-5
CAS number: 57773-65-6	Deslorelin acetate	0.125

### Additional information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret under the provisions of Sections 55 (7) of the HSNO Act.

## SECTION 4: First-aid measures

**For advice, contact a Poisons Information Center (e.g. phone Australia 131 126, New Zealand 0800 764 766) or a doctor.**

### Description of first aid measures

#### General notes:

Show this Safety Data Sheet to the doctor in attendance. Take precautions to ensure your own safety before attempting rescue. Wear appropriate safety eyewear, gloves, protective clothing and respiratory protection to prevent exposure. See Section 8 of this SDS for personal protective equipment recommendations. Do not use the mouth to mouth method if victim has ingested or inhaled the product. Give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper device.

# Safety Data Sheet

According to New Zealand, Hazardous Substances and New Organisms Act 1996 (HSNO Act) and Regulations, as amended.

Initial preparation date: 01.09.2019

Page 3 of 11

Revision date: 04.12.2024

## BIORELEASE DESLORIN (BRD)

### After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention.

### After skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

### After eye contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses, if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

### After swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

### Most important symptoms and effects, both acute and delayed:

#### Acute symptoms and effects:

Acute oral exposure may lead to dizziness, drowsiness, headache, breathing difficulties, nausea, vomiting, abdominal pain, and lowering of consciousness. Adverse effects are dependent on exposure (dose, concentration, contact time).

#### Delayed symptoms and effects:

Symptoms of exposure may be delayed.

### Immediate medical attention and special treatment:

#### Specific treatment:

Not determined or not applicable.

#### Notes for the doctor:

Treat symptomatically.

#### Workplace Facilities:

No additional information.

## SECTION 5: Fire-fighting measures

### Extinguishing media

#### Suitable extinguishing media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

#### Unsuitable extinguishing media:

Do not use water jet.

### Specific hazards during fire-fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

### Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

# Safety Data Sheet

According to New Zealand, Hazardous Substances and New Organisms Act 1996 (HSNO Act) and Regulations, as amended.

Initial preparation date: 01.09.2019

Page 4 of 11

Revision date: 04.12.2024

## BIORELEASE DESLORIN (BRD)

### Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

### Hazchem or Emergency Action Code:

Not Applicable.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Do not get on skin, eyes or on clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling. Remove contaminated clothing and laundry before reuse.

### Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

### Methods and material for containment and cleaning up:

Harmful if swallowed. Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Avoid breathing dust, mist, fumes, vapors or spray. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

### Reference to other sections:

For personal protective equipment see Section 8. For disposal see Section 13.

## SECTION 7: Handling and storage precautions

### Precautions for safe handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

### Conditions for safe storage, including any incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

Do not freeze. Store below 30°C.

### Safe packaging material

#### Suitable material:

Not determined or not applicable.

#### Unsuitable material:

Not determined or not applicable.

# Safety Data Sheet

According to New Zealand, Hazardous Substances and New Organisms Act 1996 (HSNO Act) and Regulations, as amended.

Initial preparation date: 01.09.2019

Page 5 of 11

Revision date: 04.12.2024

## BIORELEASE DESLORIN (BRD)

### SECTION 8: Exposure controls and personal protection

Only those substances with limit values have been included below.

#### Occupational Exposure limit values:

No occupational exposure limits noted for the ingredient(s).

#### Biological limit value:

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

#### Information on monitoring procedures:

Not determined or not applicable

#### Appropriate engineering controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

#### Personal protection equipment

##### Eye and face protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

##### Skin and body protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

##### Respiratory protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

#### General hygienic measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

### SECTION 9: Physical and chemical properties

Appearance	Clear oily liquid
Colour	Not determined or not available.
Odour	Slight
Odour threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	> 93°C

# Safety Data Sheet

According to New Zealand, Hazardous Substances and New Organisms Act 1996 (HSNO Act) and Regulations, as amended.

Initial preparation date: 01.09.2019

Page 6 of 11

Revision date: 04.12.2024

## BIORELEASE DESLORIN (BRD)

<b>Flammability (solid, gas)</b>	Combustible
<b>Upper flammability/explosive limit</b>	Not determined or not available.
<b>Lower flammability/explosive limit</b>	Not determined or not available.
<b>Vapour pressure</b>	Not determined or not available.
<b>Vapour density</b>	Not determined or not available.
<b>Relative density</b>	1.05 to 1.15
<b>Solubilities</b>	Soluble in water.
<b>Partition coefficient (n-octanol/water)</b>	Not determined or not available.
<b>Auto/Self-ignition temperature</b>	Not determined or not available.
<b>Decomposition temperature</b>	Not determined or not available.
<b>Dynamic viscosity</b>	Not determined or not available.
<b>Kinematic viscosity</b>	Not determined or not available.
<b>Particle characteristics</b>	Not determined or not available.

**Other information:** No data available.

## SECTION 10: Stability and reactivity

### Reactivity:

Not reactive under recommended handling and storage conditions.

### Chemical stability:

Stable under recommended handling and storage conditions.

### Possibility of hazardous reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

### Conditions to avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources, moisture and incompatible materials.

### Incompatible materials:

Oxidising agents (hypochlorites), acids (nitric acid) and alkalis (sodium hydroxide).

### Hazardous decomposition products:

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

## SECTION 11: Toxicological information

### Acute toxicity:

#### Assessment:

Harmful if swallowed.

**Product data:** No data available.

#### Substance data:

Name	Route	Result
Benzyl benzoate	Oral ATE	LD50 Rat: 500 mg/kg
Benzyl Alcohol	oral	LD50 Rat: 1620 mg/kg
	inhalation	LC50 Rat: >4.178 mg/L (4 hr [aerosol])
	dermal	LD50 Rabbit: >2000 mg/kg

# Safety Data Sheet

According to New Zealand, Hazardous Substances and New Organisms Act 1996 (HSNO Act) and Regulations, as amended.

Initial preparation date: 01.09.2019

Page 7 of 11

Revision date: 04.12.2024

## BIORELEASE DESLORIN (BRD)

### Skin corrosion/irritation

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Serious eye damage/irritation:

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Benzyl Alcohol	Causes serious eye irritation.

### Respiratory or skin sensitization:

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### International Agency for Research on Cancer (IARC):

Name	Result
Deslorelin acetate	Not Applicable

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Deslorelin acetate	May damage fertility or the unborn child.

### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

# Safety Data Sheet

According to New Zealand, Hazardous Substances and New Organisms Act 1996 (HSNO Act) and Regulations, as amended.

Initial preparation date: 01.09.2019

Page 8 of 11

Revision date: 04.12.2024

## BIORELEASE DESLORIN (BRD)

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Information on likely routes of exposure:

Oral.

### Symptoms related to the physical, chemical and toxicological characteristics:

Refer section 4 of this SDS.

### Other information:

No data available.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

#### Substance data:

Name	Result
Benzyl benzoate	Fish EC50 Danio rerio: 2.32 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 3.09 mg/L (48 hr [mobility])
	Aquatic Plants EC50 Raphidocelis subcapitata: 0.311 mg/L (72 hr [biomass])
Benzyl Alcohol	Fish LC50 Pimephales promelas: 460 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 230 mg/L (48 hr [mobility])
	Aquatic Plants EC50 Raphidocelis subcapitata: 770 mg/L (72 hr [growth rate])

### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

#### Substance data:

Name	Result
Benzyl benzoate	Fish NOEC Danio rerio: 0.023 mg/L (35 d [mortality])
	Aquatic Invertebrates NOEC Daphnia magna: 0.258 mg/L (21 d [reproduction])
Benzyl Alcohol	Fish NOEC Freshwater fish: 48.897 mg/L (30 d [mortality, QSAR substance data])
	Aquatic Invertebrates NOEC Daphnia magna: 51 mg/L (21 d [reproduction])

# Safety Data Sheet

According to New Zealand, Hazardous Substances and New Organisms Act 1996 (HSNO Act) and Regulations, as amended.

Initial preparation date: 01.09.2019

Page 9 of 11

Revision date: 04.12.2024

## BIORELEASE DESLORIN (BRD)

### Persistence and degradability

**Product data:** No data available.

**Substance data:**

Name	Result
Benzyl benzoate	The substance is readily biodegradable, 94% degradation measured by O2 consumption after 28 days.
Benzyl Alcohol	The substance is readily biodegradable. 92 - 96% degradation in water, measured by O2 consumption after 14 days.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:**

Name	Result
Benzyl benzoate	The substance has low potential to bioaccumulate [BCF: 193.4 L/Kg ww].
Benzyl Alcohol	The substance is not expected to bioaccumulate (log Pow= 1 at 20 °C and BCF= 1.1.371 L/kg- QSAR data).

### Mobility in soil

**Product data:** No data available.

**Substance data:**

Name	Result
Benzyl benzoate	The substance is slightly mobile with a high potential for adsorption to soil and sediment [log Koc: 3.8].
Benzyl Alcohol	The substance is mobile, therefore, adsorption to soil is not expected (log Koc= 1.332 L/kg, QSAR substance data).

### Hazard to the ozone layer Product

**data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.

## SECTION 13: Disposal considerations

### Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory agencies. Dispose of in accordance with all applicable local, regional, state and federal regulations.

### Contaminated packages:

Not determined or not applicable.

### Disposal methods that should not be used:

No additional information.

# Safety Data Sheet

According to New Zealand, Hazardous Substances and New Organisms Act 1996 (HSNO Act) and Regulations, as amended.

Initial preparation date: 01.09.2019

Page 10 of 11

Revision date: 04.12.2024

## BIORELEASE DESLORIN (BRD)

### SECTION 14: Transportation information

#### Road/Rail transport: (NZS 5433:1999)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

#### International Air Transport Association Dangerous Goods Regulations (IATA-ICAO)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

#### International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

Transport in bulk according to Annex II of MARPOL and the IBC Code: Not Applicable

### SECTION 15: Regulatory information

New Zealand Inventory of Chemicals (NZIoC): All Ingredients are listed. HSNO

#### Classification or Subclasses:

Class	GHS Category	HSNO Category
Acute toxicity (oral)	Category 4	6.1D

<b>HSNO Group Standard Name:</b> Veterinary Medicines (Limited Pack Size, Finished Dose) Group Standard 2017	<b>HSNO Approval Number:</b> HSR100757
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HSNO Controls: Not determined.

Approved handler test certificate: Not determined.

Tracking: Not determined.

# Safety Data Sheet

According to New Zealand, Hazardous Substances and New Organisms Act 1996 (HSNO Act) and Regulations, as amended.

Initial preparation date: 01.09.2019

Page 11 of 11

Revision date: 04.12.2024

## BIORELEASE DESLORIN (BRD)

**Controlled substance license requirements:** Not applicable.

**Agricultural Compounds and Veterinary Medicines Act 1997:**

ACVM number

A10295

**Montreal Protocol (Ozone Depleting Substances):** None of the ingredients are listed.

**Stockholm Convention (Persistent Organic Pollutants):** None of the ingredients are listed.

**Rotterdam Convention (Prior Informed Consent):** None of the ingredients are listed.

**Basel Convention (Hazardous Waste):** None of the ingredients are listed.

## SECTION 16: Other information

### Abbreviations and Acronyms:

<b>ATE</b>	Acute Toxicity Estimate
<b>BCF</b>	Bioconcentration Factor
<b>CAS</b>	Chemical Abstracts Service
<b>EC50</b>	Effective Concentration of 50%
<b>GHS</b>	Globally Harmonized System
<b>HSNO</b>	Hazardous Substances and New Organisms
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA</b>	International Air Transport Association
<b>IBC</b>	Intermediate Bulk Container
<b>ICAO</b>	International Civil Aviation Organization
<b>IMDG</b>	International Maritime Dangerous Goods
<b>LC50</b>	Lethal Concentration 50%
<b>LD50</b>	Lethal Dose 50%
<b>MARPOL</b>	International Convention for the Prevention of Pollution from Ships
<b>NZIoC</b>	New Zealand Inventory of Chemicals
<b>TWA</b>	Time Weighted Average
<b>UN</b>	United Nations
<b>VOC</b>	Volatile Organic Compounds

### Disclaimer:

The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**Initial preparation date:** 01.09.2019

**Revision date:** 04.12.2024

### Revision Notes:

Revision date	Notes
04-12-2024	Version 2; Supersedes Version 1 dated 2019-01-09

**End of Safety Data Sheet**