

# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Contact information

#### General

Manufacturer & Distributor  
(Australia):  
Parnell Technologies Pty Ltd  
Unit 4, Century Estate  
476 Gardeners Road, NSW 2015  
Australia

Distributor (USA & Canada):  
Parnell U.S.1, Inc.  
7015 College Blvd, Level 6  
Overland Park, KS 66211  
USA

Distributor (New Zealand):  
Parnell NZ Co.  
Auckland International Airport  
Manukau 2150  
New Zealand

#### Emergency telephone number

+61 2 9667 4411 (business hours)

+1-800-887-2763 (24 hours)

0800 446 282 (business hours) (Toll free within NZ)

### Product identifier

### Estroplan/Synchsure Injection

#### Relevant identified uses of the substance or mixture and uses advised against

Active pharmaceutical ingredient is a synthetic prostaglandin analog used in veterinary medicine. It's primarily used to synchronize estrous cycles in cattle, particularly in breeding programs. The medication helps to regulate the reproductive cycle by inducing a standing estrus in females, allowing for more efficient breeding and reducing the risk of pregnancy-related issues.

#### Note

The pharmacological, toxicological, and ecological properties of this material and/ or its ingredients have not been fully characterized and it should only be handled by technically qualified individuals. Exposure by any route should be minimized. Exercise due care: wear suitable protective clothing, gloves, and eye/face protections.

## SECTION 2 - HAZARDS IDENTIFICATION

### Classification of the mixture

Not Classified.

### Cloprostenol Sodium, CAS-No. 55028-72-3

**Classification:** Respiratory sensitization (category 1) **H334** – May cause allergy or asthma symptoms or breathing difficulties if inhaled. Reproductive toxicity (category 1b) **H360** – May damage fertility or the unborn child. Specific target organ toxicity (single exposure) (STOT-SE) (category 1) **H370 (Lungs)** – Causes damage to organs. Specific target organ toxicity (single exposure) (STOT-SE) (category 1) **H372 (Ovary)** – Causes damage to organs.

### Chlorocresol, CAS-No. 59-50-7

**Classification:** Acute Toxicity (Category 4) **H302** – Harmful if swallowed, Skin Corrosion (Category 1) **H314** - Causes severe skin burns and eye damage, skin sensitizer (category 1) **H317** - May cause an allergic skin reaction, Eye Damage (Category 1) **H318** - Causes serious eye damage, Specific Target Organ Toxicity – Single Exposure **H335** - May cause respiratory irritation, Aquatic Acute (Category 1) **H400** -Very toxic to aquatic life, Aquatic Chronic (Category 3) **H412** – Harmful to aquatic life with long lasting effects.

### Sodium Citrate Dihydrate, CAS-No. 6132-04-3

**Classification:** No hazard statements.

## SECTION 2 - HAZARDS IDENTIFICATION...continued

### Sodium Chloride, CAS-No. 7647-14-5

**Classification:** No hazard statements.

### Citric Acid Anhydrous, CAS-No. 77-92-9

**Classification:** Eye Irritation (category 2) **H319** – Causes serious eye irritation.

Due to low concentration value of the component in mixture, the component classification does not meet any generic cut off values. And the component classification is also not needed for summation as there is no common classification in other hazardous component.

<b>Globally Harmonized System [GHS]</b>	Not a hazardous substance or mixture.
<b>Label elements</b>	No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) re-quired
<b>GHS hazard pictogram</b>	Not Applicable
<b>GHS signal word</b>	Not Applicable
<b>GHS hazard statements</b>	Not Applicable
<b>GHS precautionary statements</b>	Not Applicable
<b>Other hazards</b>	No known hazards

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

**Substance / Mixture:** Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Cloprostenol Sodium	55028-72-3	<0.1
Chlorocresol	59-50-7	<1
Sodium Citrate Dihydrate	6132-04-3	<1
Sodium Chloride	7647-14-5	<1
Citric Acid Anhydrous	77-92-9	<0.1

## SECTION 4 - FIRST AID MEASURES

**Immediate Medical Attention Needed** If you feel unwell, seek medical advice.

**Eye Contact** If easy to do, remove contact lenses, if worn. Immediately flush eyes with copious quantities of water for at least 15 minutes. If irritation occurs or persists, notify medical personnel and supervisor.

## SECTION 4 - FIRST AID MEASURES...continued

<b>Skin Contact</b>	Wash exposed area with soap and water and remove contaminated clothing/shoes. If irritation occurs or persists, notify medical personnel and supervisor.
<b>Inhalation</b>	Immediately move exposed subject to fresh air. If not breathing, give artificial respiration. If breathing is labored, administer oxygen. Immediately notify medical personnel and supervisor.
<b>Ingestion</b>	Do not induce vomiting unless directed by medical personnel. Do not give anything to drink unless directed by medical personnel. Never give anything by mouth to an unconscious person. Notify medical personnel and supervisor.
<b>Protection of first aid responders</b>	Avoid contact with skin, eyes, and clothing. See Section 8 for Exposure Controls/Personal Protection recommendations.
<b>Most important symptoms and effects, both acute and delayed</b>	<p>Skin contact may provoke the following symptoms:          Skin irritation          Eye contact may provoke the following symptoms:          Eye irritation          Inhalation may provoke the following symptoms:          Respiratory tract irritation          Cough</p>
<b>Indication of immediate medical attention and special treatment needed, if necessary</b>	Medical conditions aggravated by exposure: None known or reported. Treat symptomatically and supportively.

## SECTION 5 - FIREFIGHTING MEASURES

<b>Extinguishing media</b>	Use water spray (fog), foam, dry powder, or carbon dioxide, as appropriate for local circumstances and the surrounding environment.
<b>Specific hazards arising from the substance or mixture</b>	No information identified. May emit carbon monoxide, carbon dioxide, and oxides of sulfur and/or nitrogen, and/or other fluorine-, sulfur-, or nitrogen-containing compounds. Exposure to combustion products may be a hazard to health.
<b>Flammability/Explosivity</b>	No information identified. High concentrations of finely divided organic particles can explode if ignited.
<b>Unsuitable extinguishing media</b>	None known.
<b>Special protective equipment for fire-fighters</b>	Wear full protective clothing and a NIOSH-approved (or equivalent) self-contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode. Decontaminate all equipment after use.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment, and emergency procedures</b>	If substance is released or spilled, take proper precautions to minimize exposure by using appropriate personal protective equipment (see Section 8). Area should be adequately ventilated.
<b>Environmental precautions</b>	Avoid emptying into drains and release to the environment, prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water (see Section 12).
<b>Methods and material for containment and cleaning up</b>	Surround spill with absorbents and place a damp cloth Add excess liquid to allow the material to enter solution. Capture remaining liquid onto spill absorbents. Place spilled materials into a leak-proof container suitable for disposal in. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in. Keep in suitable, closed containers for disposal. Wipe up with absorbent material (e.g. cloth, fleece). (see section 13). Decontaminate the area.

## SECTION 7 - HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Follow recommendations for handling pharmaceutical agents (i.e., use of engineering controls and/or other personal protective equipment if needed). Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.
<b>Conditions for safe storage including any incompatibilities</b>	Store in a closed container. Keep in properly labeled containers. Store in accordance with the particular national regulations.
<b>Materials to avoid</b>	None Known
<b>Packaging material</b>	Unsuitable material: None known
<b>Specific end use(s)</b>	No information identified.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Note</b>	Wash hands, face, and other potentially exposed areas immediately in the event of physical contact.
<b>Control Parameters/Occupational Exposure Limit Values</b>	This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure/Engineering controls</b>	Selection and use of containment devices and personal protective equipment should be based on a risk assessment of exposure potential.
<b>Respiratory protection</b>	None Known.
<b>Hand protection</b>	Wear nitrile or other impervious gloves if skin contact is possible.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION...continued

<b>Skin protection</b>	Wear disposable coveralls appropriate to the task, booties, and safety glasses with side shields. Ensure gloves are protective against solvents in use. Protective garments (coveralls, disposable coveralls, lab coats) are not to be worn in common areas (e.g., cafeterias) or out-of-doors. Employees must be trained in proper gowning and de-gowning practices.
<b>Eye/face protection</b>	Wear safety glasses with side shields, chemical splash goggles, or full-face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available.
<b>Environmental Exposure Controls</b>	Avoid release to the environment and operate within closed systems wherever practicable. Air and liquid emissions should be directed to appropriate pollution control devices. In case of spill, do not release to drains. Implement appropriate and effective emergency response procedures to prevent release or spread of contamination and to prevent inadvertent contact by personnel.
<b>Other protective measures</b>	Wash hands in the event of contact with this substance, especially before eating, drinking, or smoking. Protective equipment is not to be worn outside the work area (e.g., in common areas or out-of-doors). Decontaminate all protective equipment following use.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance</b>	Clear solution
<b>Color</b>	Colourless
<b>Odor</b>	Chlorocresol.
<b>Odor threshold</b>	No information identified.
<b>pH</b>	5.5-5.9
<b>Melting point/freezing point</b>	No information identified.
<b>Initial boiling point and boiling range</b>	No information identified.
<b>Flash point</b>	No information identified.
<b>Evaporation rate</b>	No information identified.
<b>Flammability (solid, gas)</b>	No information identified.
<b>Upper/lower flammability or explosive limits</b>	No information identified.
<b>Vapor pressure</b>	No information identified.
<b>Vapor density</b>	No information identified.
<b>Relative density</b>	No information identified.
<b>Water solubility</b>	No information identified.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES...continued**

<b>Solvent solubility</b>	No information identified
<b>Partition coefficient (<i>n</i>-octanol/water)</b>	No information identified
<b>Auto-ignition temperature</b>	No information identified.
<b>Decomposition temperature</b>	No information identified.
<b>Viscosity</b>	No information identified.
<b>Explosive properties</b>	No information identified.
<b>Oxidizing properties</b>	No information identified.
<b>Other information</b>	
<b>Molecular formula</b>	No information identified.
<b>Molecular weight</b>	No information identified.
<b>Density</b>	1.007 g/mL

**SECTION 10 - STABILITY AND REACTIVITY**

<b>Reactivity</b>	Not classified as a reactivity hazard.
<b>Chemical stability</b>	No decomposition if stored and applied as directed. Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Stable under recommended storage conditions. No hazards to be specially mentioned. None known.
<b>Conditions to avoid</b>	No information identified.
<b>Incompatible materials</b>	No information identified.
<b>Hazardous decomposition products</b>	No information identified.

**SECTION 11 - TOXICOLOGICAL INFORMATION**
**Information on toxicological effects**

<b>Route of entry</b>	May be exposed <i>via</i> ingestion, inhalation, or skin contact.
<b>Acute toxicity</b>	
<b><u>Product/Mixture:</u></b>	No data available
<b><u>Components/Ingredients:</u></b>	
<b>Cloprostenol Sodium:</b>	
<b>Acute oral toxicity</b>	No data available Inhalation: No data available Dermal: No data available

**SECTION 11 - TOXICOLOGICAL INFORMATION ...continued**

<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/eye irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	No data available
<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available

**Chlorocresol:**

<b>Acute oral toxicity</b>	LD <sub>50</sub> Oral - Rat - male - 1.830 mg/kg LC <sub>50</sub> Inhalation - Rat - male and female - 4 h - > 583 mg/l - dust/mist LD50 Dermal - Rat - female - > 2.000 mg/kg
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<b>Skin corrosion/irritation</b>	Skin - Rabbit Result: Corrosive after 1 to 4 hours of exposure
<b>Serious eye damage/eye irritation</b>	Eyes - Rabbit Result: Causes serious eye damage. - 72 h

<b>Respiratory or skin sensitization</b>	Maximization Test - Guinea pig Result: positive
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<b>Germ cell mutagenicity</b>	Test Type: UDS (Unscheduled DNA synthesis assay) Test system: rat hepatocytes Result: negative Test Type: Ames test Test system: S. typhimurium Metabolic activation: with and without metabolic activation Result: negative Test Type: In vitro mammalian cell gene mutation test Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Result: negative Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Intraperitoneal Result: negative
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<b>Carcinogenicity</b>	No data available
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<b>Reproductive toxicity</b>	No data available
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<b>Specific target organ toxicity - single exposure</b>	May cause respiratory irritation. - Respiratory Tract
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**SECTION 11 - TOXICOLOGICAL INFORMATION ...continued**

**Specific target organ toxicity - repeated exposure** No data available

**Aspiration hazard** No data available

**Sodium Citrate Dihydrate:**

**Acute oral toxicity** LD<sub>50</sub> Oral - Mouse - male and female - 5.400 mg/kg  
 Inhalation: No data available  
 LD<sub>50</sub> Dermal - Rat - male and female - > 2.000 mg/kg

**Skin corrosion/irritation** Skin - Rabbit  
 Result: No skin irritation - 4 h

**Serious eye damage/eye irritation** Eyes - Rabbit  
 Result: No eye irritation - 72 h

**Respiratory or skin sensitization** Maximization Test - Guinea pig  
 Result: negative

**Germ cell mutagenicity** Test Type: Ames test  
 Test system: S. typhimurium  
 Metabolic activation: with and without metabolic activation  
 Result: negative  
 Test Type: Micronucleus test  
 Test system: Human lymphocytes  
 Metabolic activation: without metabolic activation  
 Result: positive  
 Test Type: dominant lethal test  
 Species: Rat  
 Application Route: Oral  
 Result: negative  
 Test Type: Chromosome aberration test  
 Species: Rat  
 Application Route: Oral  
 Result: negative

**Carcinogenicity** No data available

**Reproductive toxicity** No data available

**Specific target organ toxicity - single exposure** No data available.

**Specific target organ toxicity - repeated exposure** No data available

**Aspiration hazard** No data available

**Sodium chloride:**

**Acute oral toxicity** LD<sub>50</sub> (Rat): > 3,550 mg/kg  
 Remarks: Excessive exposure may cause:  
 Nausea and/or vomiting.

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**SECTION 11 - TOXICOLOGICAL INFORMATION ...continued**


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<b>Acute inhalation toxicity</b>	LC <sub>50</sub> (Rat): > 42 mg/l Exposure time: 1 h Test atmosphere: dust/mist
<b>Acute dermal toxicity</b>	LD <sub>50</sub> (Rabbit): 10,000 mg/kg
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	No data available
<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Citric Acid Anhydrous:</b>	
<b>Acute oral toxicity</b>	LD <sub>50</sub> Oral - Mouse - male and female - 5.400 mg/kg Inhalation: No data available LD <sub>50</sub> Dermal - Rat - male and female - > 2.000 mg/kg
<b>Skin corrosion/irritation</b>	Skin - Rabbit Result: No skin irritation - 4 h
<b>Serious eye damage/eye irritation</b>	Eyes - Rabbit Result: Irritating to eyes.
<b>Respiratory or skin sensitization</b>	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Test Type: Ames test
<b>Germ cell mutagenicity</b>	Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Result: negative Test Type: Mutagenicity (mammal cell test): micronucleus. Test system: Human lymphocytes Metabolic activation: without metabolic activation Result: positive Test Type: Chromosome aberration test Species: Rat Cell type: Bone marrow Application Route: Oral Result: negative Test Type: dominant lethal test Species: Rat Application Route: Oral Result: negative

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**SECTION 11 - TOXICOLOGICAL INFORMATION ...continued**

<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	Inhalation - May cause respiratory irritation.
<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available

**SECTION 12 - ECOLOGICAL INFORMATION**
**Ecotoxicity**

**Product/Mixture:** No data available

**Components/Ingredients:**
**Cloprostenol Sodium:**

**Toxicity to fish** No data available

**Toxicity to daphnia and other aquatic invertebrates** No data available

**Toxicity to algae/aquatic plants** No data available

**Toxicity to fish (Chronic toxicity)** No data available

**Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)** No data available

**Chlorocresol:**

**Toxicity to fish** Semi-static test LC<sub>50</sub> - Oncorhynchus mykiss (rainbow trout) - 0,917 mg/l - 96 h NOEC - Danio rerio (zebra fish) - 0,024 mg/l

**Toxicity to daphnia and other aquatic invertebrates** Static test EC<sub>50</sub> - Daphnia magna (Water flea) - 2,29 mg/l - 48 h

**Toxicity to algae/aquatic plants** Static test ErC<sub>50</sub> - Desmodesmus subspicatus (green algae) - 30,62 mg/l - 72 h  
Static test NOEC - Desmodesmus subspicatus (green algae) - 9,8 mg/l - 72 h

**Toxicity to microorganisms** Static test EC<sub>50</sub> - activated sludge - 41,4 mg/l - 3 h

**Toxicity to fish (Chronic toxicity)** Semi-static test NOEC - Oncorhynchus mykiss (rainbow trout) - 0,15 mg/l - 28 d

**Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)** Semi-static test NOEC - Daphnia magna (Water flea) - 0,32 mg/l - 21 d

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**SECTION 12 - ECOLOGICAL INFORMATION...continued**


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<b>Biodegradability</b>	aerobic - Exposure time 28 d Result: 85 % - Readily biodegradable.
<b>Theoretical oxygen demand</b>	1.852 mg/g
<b>Bioaccumulative potential</b>	Cyprinus carpio (Carp) - 6 Weeks at 25 °C - 0,002 mg/l(chlorocresol) Bioconcentration factor (BCF): 5,5 - 11
<b>Sodium Citrate Dihydrate: Toxicity to fish</b>	LC <sub>50</sub> - Poecilia reticulata (guppy) - > 18.000 - 32.000 mg/l - 96 h
<b>Toxicity to daphnia and other aquatic invertebrates</b>	EC <sub>50</sub> - Daphnia magna (Water flea) - 5.600 - 10.000 mg/l - 48 h
<b>Toxicity to algae/aquatic plants</b>	No data available
<b>Toxicity to microorganisms</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Sodium chloride: Toxicity to fish</b>	LC <sub>50</sub> (Lepomis macrochirus (Bluegill sunfish)): 5,840 mg/l Exposure time: 96 h Test Type: flow-through test Method: OECD Test Guideline 203 LC <sub>50</sub> (Pimephales promelas (fathead minnow)): 10,610 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203
<b>Toxicity to daphnia and other aquatic invertebrates</b>	EC <sub>50</sub> (Daphnia magna (Water flea)): 1,900 mg/l Exposure time: 48 h Test Type: static test
<b>Toxicity to algae/aquatic plants</b>	EC <sub>50</sub> (Other): 2,430 mg/l End point: Growth inhibition (cell density reduction) Exposure time: 120 h Test Type: static test Method: OECD Test Guideline 201
<b>Toxicity to microorganisms</b>	IC <sub>50</sub> (activated sludge): > 1,000 mg/l Method: OECD 209 Test
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	
<b>Citric Acid Anhydrous:</b>	
<b>Toxicity to fish</b>	LC <sub>50</sub> - Leuciscus idus (Golden orfe) - 440 - 760 mg/l - 96 h
<b>Toxicity to daphnia and other aquatic invertebrates</b>	Static test NOEC - Scenedesmus quadricauda (Green algae) - 425 mg/l - 8 h
<b>Toxicity to algae/aquatic plants</b>	No data available
<b>Toxicity to microorganisms</b>	No data available

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## SECTION 12 - ECOLOGICAL INFORMATION...continued

<b>Persistence and degradability</b>	Aerobic - Exposure time 28 d Result: 97 % - Readily biodegradable.
<b>Biochemical Oxygen Demand (BOD)</b>	526 mg/g
<b>Chemical Oxygen Demand (COD)</b>	728 mg/g
<b>Bioaccumulative potential</b>	No data available

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste treatment methods** Dispose of wastes in accordance to prescribed federal, state, and local guidelines, e.g., appropriately permitted chemical waste incinerator. Do not let down the drain or flush down the toilet. All waste containing the material should be properly labeled. Rinse waters resulting from spill cleanups should be discharged in an environmentally safe manner, e.g., appropriately permitted municipal or on-site wastewater treatment facility. Follow all applicable regional, national, and local laws.

## SECTION 14 - TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

UN number	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable

#### IATA-DGR

UN/ID No.	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable
Packing instruction (cargo aircraft)	: Not applicable
Packing instruction (passenger aircraft)	: Not applicable

#### IMDG-Code

UN number	: Not applicable
Proper shipping name	: Not applicable
Class	: Not applicable
Subsidiary risk	: Not applicable
Packing group	: Not applicable
Labels	: Not applicable
EmS Code	: Not applicable
Marine pollutant	: Not applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation****NZS 5433**

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Hazchem Code : Not applicable

**49 CFR Road**

Not regulated as a dangerous good

**ADG**

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Hazchem Code : Not applicable

**TDG**

Not regulated as a dangerous good

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**SECTION 15 - REGULATORY INFORMATION**

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**Safety, health, and environmental regulations/legislation specific for the substance or mixture** This SDS generally complies with the requirements listed under current guidelines in the USA, Australia, New Zealand, and Canada.

**Chemical safety assessment** Not conducted.

**The ingredients of this product are reported in the following inventories:**

**TSCA** : Product contains substance(s) not listed on TSCA inventory.

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

**SARA 311/312 Hazards:**

No Hazards category to report.

**Massachusetts Right to Know Components:**

No components are subject to the Massachusetts Right to Know Act.

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**SECTION 15 - REGULATORY INFORMATION...continued**

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**Pennsylvania Right to Know Components:**

No components are subject to the Pennsylvania Right to Know Act.

**New Jersey Right to Know Components:**

No components are subject to the New Jersey Right to Know Act.

**California Prop. 65 Components:**

Not listed.

**Safety, health, and environmental regulations/legislation specific for the substance or mixture**

Standard for the Uniform Scheduling of Medicines and Poisons : No poison schedule number allocated (Please use the original publication of the SUSMP to check for specific uses, specific conditions or threshold limits that might apply for this chemical)

**Prohibition/Licensing Requirements** : There is no applicable prohibition, authorisation, and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.

**DSL** : This product contains components that are not listed on the Canadian DSL nor NDSL.

**HSNO Approval Number**

Not applicable

**HSW Controls**

Certified handler certificate not required.

Tracking hazardous substance not required.

Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

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**SECTION 16 - OTHER INFORMATION**

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**Full text of H phrases and GHS classifications** No information identified.

**Sources of data** Information from published literature and internal company data.

**Abbreviations**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR/RID - European Agreement Concerning the International Carriage of Dangerous Goods by Road/Rail; AIHA - American Industrial Hygiene Association; CAS# - Chemical Abstract Services Number; CLP - Classification, Labelling, and Packaging of Substances and Mixtures; DNEL - Derived No Effect Level; DOT - Department of Transportation; EINECS - European Inventory of New and Existing Chemical Substances; ELINCS - European List of Notified Chemical Substances; EU - European Union; GHS - Globally Harmonized System of Classification and Labeling of Chemicals; IARC - International Agency for Research on Cancer; IDLH - Immediately Dangerous to Life or Health; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods; LOEL - Lowest Observed Effect Level; LOAEL - Lowest Observed Adverse Effect Level; NIOSH - The National Institute for Occupational Safety and Health; NOEL - No Observed Effect Level; NOAEL - No Observed Adverse Effect Level; NTP - National Toxicology Program; OEL - Occupational Exposure Limit; OSHA - Occupational Safety and Health Administration; PBT - Persistent, Bioaccumulative, and Toxic; PNEC - Predicted No Effect Concentration; SARA - Superfund Amendments and Reauthorization Act; STOT - Specific Target Organ Toxicity; STEL - Short Term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

**Revision Date** 02/12/2024

**Disclaimer**

The above information is based on data available to us and is believed to be correct. Since the information may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of its use and all persons receiving it must make their own determination of the effects, properties and protections which pertain to their particular conditions.

No representation, warranty, or guarantee, express or implied (including a warranty of fitness or merchantability for a particular purpose), is made with respect to the materials, the accuracy of this information, the results to be obtained from the use thereof, or the hazards connected with the use of the material. Caution should be used in the handling and use of the material because it is a pharmaceutical product. The above information is offered in good faith and with the belief that it is accurate. As of the date of issuance, we are providing all information relevant to the foreseeable handling of the material. However, in the event of an adverse incident associated with this product, this Safety Data Sheet is not, and is not intended to be, a substitute for consultation with appropriately trained personnel.