
MATERIAL SAFETY DATA SHEET

Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY

Product Names:	Lutogeston[®] Long Acting Progesterone
Product Code:	60890 (5 mL)
Recommended Use:	For the maintenance of pregnancy in horses with a history of abortion due to low progesterone levels.
Company Identification:	Jurox Pty Limited
Address:	85 Gardiner Street Rutherford NSW 2320 Australia
Customer Centre:	1800 023 312
National Poisons Information Centre:	131126 (Australia-wide)
Emergency Telephone Number:	1800 023 312 (Monday – Friday, 9 a.m. – 5 p.m).

Section 2: HAZARDS IDENTIFICATION

Hazard Classifications:	Considered a Hazardous Substance according to the criteria of NOHSC Australia. Not considered a Dangerous Good according to the criteria of the Australian Dangerous Goods (ADG) Code.
Poisons Schedule:	S4
Risk phrases:	Irritating to skin Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment Skin contact and/or ingestion may produce health damage* Cumulative effects may result following exposure* May produce discomfort of the eyes* Possible respiratory and skin sensitiser* (* limited evidence)
Safety phrases:	Do not breathe vapours Avoid contact with skin and eyes Wear suitable gloves Wear eye / face protection This material and its container must be disposed of in a safe way

Section 3: COMPOSITION / INFORMATION on INGREDIENTS

INGREDIENT	CAS No.	CONTENT
Hydroxyprogesterone hexanoate	630-56-8	25%
Benzyl alcohol	100-51-6	< 10%
Benzyl benzoate	120-51-4	30–60%
Other non-hazardous ingredients		30-60%

Section 4: FIRST AID MEASURES

First Aid Measures:	Consult the National Poisons Centre on 131126 or a doctor immediately in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If medical advice/attention is needed, have product container or label at hand.
Inhalation:	Unlikely to present an inhalation hazard under normal conditions of use.
Ingestion:	May result in nausea, diarrhoea and possible convulsions. Thoroughly rinse mouth with water. Give plenty of water or bland fluids to drink. Seek medical advice. Show this MSDS to a medical practitioner.
Skin:	May produce mild irritation. Absorbed through the skin. May lead to skin sensitisation. Remove all contaminated clothing. Wash well with soap and water.
Eye:	Mild irritant. Irrigate with plenty of water for at least 20 minutes.
Injected:	Effects will vary in severity according to the quantity involved, from localised site reaction (pain, redness, swelling), to acute systemic reaction. Treat as for needlestick injury. Wash area well and disinfect. If other symptoms are evident, seek medical advice.
Chronic:	Prolonged or repeated exposure may result in acne, oedema, weight gain, headache, depression and alteration in liver function.
Advice to Doctor:	Contains hydroxyprogesterone hexanoate, which is a progesterone compound, rapidly inactivated in the liver. Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flash Point:	Not flammable. Combustible.
Hazardous Combustion	If involved in a fire, may emit noxious or irritating fumes.
Extinguishing Media:	There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.
Protective Equipment:	Protective gloves and breathing apparatus. A gas tight chemical resistant suit may be required for large fires.
HAZCHEM Code:	None specified

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Avoid inhalation and contact with skin and eyes when cleaning up any spills. Wear appropriate protective clothing. Exclude non-essential people from the area and move upwind. Neutralise small spills with sodium hypochlorite solution. Contain spill and sweep up / absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Ventilate area and wash spill site after pick-up complete. Dispose of waste safely in an approved landfill. For large spills, alert Fire Brigade and tell them location and nature of hazard.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental Precautions:	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

Handling:	Keep out of reach of children. Avoid contact with skin and eyes. Care is required to avoid self-injection. Use personal protective equipment as required.
Storage:	Keep out of reach of children Store below 30°C, locked up. Protect from light

Other Information: Always read the APVMA-approved label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: No exposure limits have been assigned for this product. Do not handle until all safety precautions have been read and understood. Due to the small volumes involved, and the methods of administration, exposure under normal conditions of use would likely be limited to splashing on to skin or in to eyes, or accidental self injection.

Protective Equipment: Chemical protective gloves (e.g. PVC). Avoid inhalation and eye and skin contact. Wash hands thoroughly after using. When handling the bulk product, wear chemical protective gloves (e.g. PVC, safety footwear or safety gumboots (e.g. rubber), protective clothing and safety glasses with side shields and chemical goggles.

Engineering Controls: Handle in a well ventilated area. Local exhaust ventilation may be required in specific circumstances.

Hygiene Precautions: As for good veterinary practice.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pale yellow, clear oily liquid.

Specific Gravity: Approx 1.040 – 1.055.

Solubility in Water: Insoluble.

Flash Point: Combustible liquid.

pH: Not available.

Section 10: STABILITY AND REACTIVITY

Stability: When stored appropriately this product should show no significant degradation for at least 24 months from the date of manufacture.

Hazardous Polymerisation: Not known to occur.

Materials to Avoid: None known.

Section 11: TOXICOLOGICAL INFORMATION

Inhalation: This material is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation.

Ingestion: The material has not been classified by EC Directives or other classification systems as “harmful by ingestion”. This is because of lack of corroborating animal or human evidence.
Benzyl alcohol: Oral LD₅₀ (rat) 1230 mg / kg.

Injection: Localised site reaction may occur.

Skin: Skin irritant.

Eye: Mild irritant.

Chronic Effects: Progestogens may cause acne, skin rashes, hives, oedema, weight gain, gastrointestinal side-effects and depression. Alterations in liver function and jaundice have been reported. Prolonged or repeated exposure can lead to menstrual irregularities, breast changes and fluid retention in women, and breast tenderness and altered libido in men.

Reproductive Toxicity: There is some evidence from animal testing that exposure to Hydroxyprogesterone may result in toxic effects to the foetus.

Mutagenicity: Not known to be mutagenic.

Carcinogenicity: Not known to be carcinogenic.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Slightly harmful in the aquatic environment. Do not empty into drains.

Benzyl benzoate:

Aquatic (fish): LC50 (96 hr): 2.7 mg/L (*Brachydanio rerio* – Zebra fish)

Aquatic crustacean): LC50 (96hr): 4.8 mg/L (Scud)

Benzyl alcohol:

Aquatic (fish): LC50 (96 hr): 10 mg/L (*Lepomis macrochirus* – Fish, freshwater)

Aquatic crustacean): LC50 (96hr): 55 mg/L (Scud)

Soil: EC50: 50 mg/L (*Photobacterium phosphoreum* – Bacteria)

Soil: DT50 > 30 days

Section 13: DISPOSAL INFORMATION

Product Disposal: Dispose of container by wrapping in paper and placing in garbage.

Section 14: TRANSPORT INFORMATION

Dangerous Goods Classification: Not classed as a Dangerous Good for transport purposes by road, sea or air.

Section 15: REGULATORY INFORMATION

APVMA Registration Nos: 36254

Section 16: OTHER INFORMATION

This information is based on data believed by Jurox Pty Limited to be accurate at the time of writing but is subject to change without notice. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness otherwise and no assumption of liability from howsoever arising is made by Jurox Pty Limited by reason of the provision of this information. Every person dealing with the materials referred to herein does so at his/her own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.