

**SAFETY DATA SHEET****Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY**

<b>Product Name:</b>	<b>Progesterone Injection</b>
<b>Product Code:</b>	50420 (50 mL)
<b>Recommended Use:</b>	To assist in the prevention of threatened abortion and in the reduction of embryonic mortality in dogs, cats, horses and cattle.
<b>Company Identification:</b>	Jurox Pty Limited
<b>Address:</b>	85 Gardiner Street Rutherford NSW 2320 Australia
<b>Email:</b>	customerservice@jurox.com.au
<b>Customer Centre:</b>	1800 023 312
<b>National Poisons Information Centre:</b>	13 1126 (Australia-wide)
<b>Emergency Telephone Number:</b>	1800 023 312 (Monday – Friday, 9a.m. – 5p.m.)

**Section 2: HAZARDS IDENTIFICATION**

<b>Hazard Classifications:</b>	<b>Considered a Hazardous Substance according to the criteria of GHS.</b>  <b>Not considered a Dangerous Good according to the criteria of the Australian Dangerous Goods (ADG) Code.</b>
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**GHS Hazard Classification:\***

GHS Category	Hazard code	Hazard Statement
Reproductive Toxicity Category 1B	H360	May damage fertility or the unborn child.

**GHS Pictogram:****Health hazard****Signal Word:\*** **DANGER**

<b>Precautionary Statements:*</b>	<b>Prevention</b>	
	P201	Obtain special instructions before use.
	P281	Use personal protective equipment as required.
	<b>Response</b>	
	P308+P313	IF exposed or concerned: Get medical advice/attention.
	<b>Storage</b>	
	P405	Store locked up.
	<b>Disposal</b>	
	P501	Dispose of contents/container in accordance with local/national regulations.

\* N.B.: These statements are determined by Work Health and Safety regulations and may not reflect Signal Headings and First Aid and Safety statements on product labelling, which are determined by a competent authority during assessment for registration.

**Section 3: COMPOSITION / INFORMATION on INGREDIENTS**

INGREDIENT	CAS No.	CONTENT
Progesterone	57-83-0	2.5%
Other non-hazardous ingredients		>60%

**Section 4: FIRST AID MEASURES**

- General information:** Consult the National Poisons Centre on 13 1126 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:** If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually not necessary.
- Ingestion:** If swallowed, immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
- Skin:** If skin contact occurs, immediately remove all contaminated clothing, including footwear. Wash affected area thoroughly with plenty of soap and water. If skin irritation or rash occurs, get medical advice/attention.
- Eye:** If eye contact occurs, rinse cautiously with water for at least 20 minutes. If eye irritation persists, get medical advice/attention.
- Advice to Doctor:** Contains Progesterone. Treat symptomatically.

**Section 5: FIRE FIGHTING MEASURES**

- Flash Point:** >200°C (vegetable oils).
- Hazardous Combustion Products:** If involved in a fire, may emit noxious fumes. Combustible – Slight fire hazard when exposed to heat or flame.
- Extinguishing Media:** Foam, Dry chemical powder, Carbon dioxide, water spray or fog – Large fires only.
- Protective Equipment:** Protective gloves and boots and breathing apparatus.
- Special hazards:** **Fire Incompatibility:** Avoid contamination with oxidising agents.
- HAZCHEM:** Not Applicable.

**Section 6: ACCIDENTAL RELEASE MEASURES**

- Spills and Disposal:** Slippery when spilt. Wear appropriate protective clothing. Exclude non-essential people from the area. 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.
- Protective Clothing:** For appropriate personal protective equipment see section 8.
- Environmental Precautions:** If contamination of drains and waterways occurs, advise Emergency Services.

**Section 7: HANDLING AND STORAGE**

- Handling:** Avoid all personal contact, including inhalation. Use personal protective equipment as required. DO NOT allow clothing wet with material to stay in contact with skin.
- Storage:** Progesterone Injection is a Scheduled Poison (S4) and therefore must be stored and maintained in accordance with the relevant State Poisons Act. Store in original container, away from foodstuffs. Store below 30°C (room temperature). Protect from light. Keep out of reach of children.

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

### Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

This SDS describes personal protective measures relating to long term industrial and manufacturing exposure and emergency situations, such as accidents and spills. See product label for personal protective measures during normal use of the marketed product.

**Exposure Limits:** No exposure limits have been assigned for this product. Do not handle until all safety precautions have been read and understood.

**Protective Equipment:** Safety glasses with eye side shields or chemical goggles. Chemical protective gloves, e.g. PVC. Safety footwear or safety gumboots, e.g. rubber.

**Engineering Controls:** Handle in a well ventilated area.

**Hygiene Precautions:** Do not drink, eat or smoke when handling this product. Wash hands after use.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Pale yellow, oily liquid.	<b>Vapour Pressure:</b>	No data.
<b>Odour:</b>	No data.	<b>Vapour density:</b>	No data.
<b>Odour threshold:</b>	No data.	<b>Relative density:</b>	Not applicable.
<b>pH:</b>	No data.	<b>Specific Gravity:</b>	0.95 – 0.96.
<b>Melting Point:</b>	Not applicable.	<b>Solubility in Water:</b>	Insoluble.
<b>Boiling Point:</b>	No data.	<b>Partition coefficient:</b>	No data.
<b>Flash Point:</b>	>200°C (vegetable oils).	<b>Auto-ignition temperature:</b>	No data.
<b>Evaporation Rate:</b>	No data.	<b>Decomposition temperature:</b>	Not applicable.
<b>Flammability:</b>	Combustible.	<b>Viscosity:</b>	No data.
<b>Upper flammability limits:</b>	No data.		
<b>Lower flammability limits:</b>	No data.		

### Section 10: STABILITY AND REACTIVITY

**Reactivity:** This product is unlikely to react or polymerise under normal storage conditions.

**Stability:** When stored appropriately this product should show no significant degradation within the expiry period shown on the labelling.

**Conditions to Avoid:** Extreme temperatures.

**Incompatible Materials:** Avoid contamination with oxidising agents.

**Hazardous Decomposition Products:** Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO).

### Section 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** **Inhalation:** The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum. Not normally a hazard due to the non-volatile nature of the product.

**Ingestion:** The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". However based on limited evidence, the mixture may cause nausea, vomiting and diarrhoea. Readily absorbed from the gastro-intestinal tract.

**Skin Irritation/ Corrosion:** The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum.

**Serious Eye Damage/ Irritation:** Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).

**Respiratory or Skin Sensitisation:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not classified as a skin sensitiser or a respiratory sensitiser.

**Injection:** Effects will vary in severity according to the quantity involved, from localised site reaction (pain, redness, swelling), to acute systemic reaction.

Progesterone:  
LD<sub>50</sub> (intraperitoneal): 100 mg / kg (mouse).

**Chronic Effects:** Progesterone causes gastrointestinal disturbances, acne, swelling, weight gain, skin rashes, hives, mental depression, breast changes with discomfort and occasionally enlargement in males, changed in sex drive and altered menstrual cycles.

**Mutagenicity:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be mutagenic.

**Carcinogenicity:** No data for the mixture is available. Based on available data for the ingredients, Progesterone is suspected to be a human carcinogen as classified by EPA 6.7B

**Reproductive Toxicity:** Based on available data for ingredients, the mixture is classified as Reproductive Toxicity Category 1B - May damage fertility or the unborn child. Some progestogens have been associated with an increase in congenital abnormalities.

**STOT – Single Exposure:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a specific target organ toxicant after single exposure.

**STOT - Repeat exposure:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a specific target organ toxicant after repeated exposure. But repeated intake of progesterones may produce headache, nausea, vomiting, diarrhoea, inflammation of the mouth cavity with ulcers, swelling, weight change, fever, fatigue, increased or decreased sleep, mental depression, allergic rashes including hives and itching, acne, sensitivity to light, pigmented skin, hair loss, excessive hair growth, clotting and vein inflammation, obstructive jaundice, and precipitation of porphyria.

### Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Based on available data for the ingredients, the mixture is not classified as harmful to the environment. However, DO NOT discharge the mixture into sewer or waterways.

**Progesterone:** Fish: LC50 (96 h): 3.225 mg/L;  
Algae or other aquatic plants: EC50 (96 h): 3.278 mg/L;  
Crustacea: NOEC (144 h): 0.1mg/L.

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Progesterone	HIGH	No data available	Medium	Low
Vegetable oils	No data available	No data available	No data available	No data available

### Section 13: DISPOSAL INFORMATION

**Product Disposal:** Dispose of product only by using according to APVMA approved label or by approved waste collection.

**Container Disposal:** Wrap with paper and place in garbage.

**Section 14: TRANSPORT INFORMATION**

**Dangerous Goods Classification:** Not classified as a Dangerous Good according to the criteria of the Australian Dangerous Goods (ADG) Code.

**Section 15: REGULATORY INFORMATION**

**Poisons Schedule:** S4

**APVMA Registration No:** 37312

**ACIS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredient: Progesterone is mentioned in SUSMP.

**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.

**Legend:**

<b>ADG</b>	Australian Code for the Transport of Dangerous Goods by Road & Rail, 7 <sup>th</sup> Edition.
<b>AICS</b>	Australian Inventory of Chemical Substances.
<b>APVMA</b>	Australian Pesticides and Veterinary Medicines Authority.
<b>CAS No.</b>	Chemical Abstracts Service Registry Number.
<b>EPA</b>	Environmental Protection Authority.
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals.
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters.
<b>LD<sub>50</sub></b>	The median lethal dose, being a statistically derived single dose of a substance that can be expected to cause death in 50% of animals.
<b>NOEC</b>	No observed Effect Concentration.
<b>NICNAS</b>	National Industrial Chemicals Notification and Assessment Scheme.
<b>PPE</b>	Personal Protective Equipment.
<b>PVC</b>	Polyvinyl Chloride.
<b>SDS</b>	Safety Data Sheet.
<b>STOT</b>	Specific Target Organ Toxicity.
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines and Poisons.

**References**

ChemID PlusLite, <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>, entry for Progesterone (RN: 57-83-0).

Environmental Protection Authority, HSNO Chemical Classification and Information Database (CCID), entry for Progesterone (Cas Number: 57-83-0).

Hazardous Substances Data Bank (HSDB), <http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>, entry for PROGESTERONE (CASRN: 57-83-0).

**This version issued:** 27 July 2017 and is valid for 5 years from this date.

**Supersedes:** This SDS supersedes the version issued on 13 August 2012.

**Revision History:**

Date of Revision	Reason
27 July 2017	Updates to section 1, 2, 3, 4, 5, 10, 11, 12, 13 & 15; Updates to Legend and addition of Revision History in Section 16.

END OF SDS