

SAFETY DATA SHEET



Title: TESTOPROP INJECTION

Document: SDS-AU101

Rev: 2.2

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Status: Current

Issue Date: 24-Jun-2024

Effective Date: 24-Jun-2024

Review Date: 29-Aug-2027

Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY

Product Name:	Testoprop Injection
Product Identifier:	Oily solution for injection containing 50 mg/mL testosterone propionate.
Recommended Use:	Androgenic steroid injection for male horses, cattle and dogs.
Restrictions on Use:	For animal treatment only.
Company Identification:	Zoetis Australia Pty Ltd ABN: 94 156 476 425
Address:	Level 6, 5 Rider Boulevard Rhodes NSW 2138 Australia
Telephone:	1800 814 883
Fax:	(02) 8876 0444
Email:	productsupport.au@zoetis.com
National Poisons Information Centre:	13 11 26 (24 hours)
Police, Fire Brigade, Ambulance:	Dial 000
Emergency Telephone Number:	1800 814 883 (all hours)

Section 2: HAZARDS IDENTIFICATION

Hazard Classifications: This product has been assessed according to GHS and is classified as follows:

GHS Category	Hazard code	Hazard Statement
Skin Corrosion / Irritation Category 2	H315	Causes skin irritation.
Skin Sensitizer Category 1	H317	May cause an allergic skin reaction.
Eye Damage / Irritation Category 2A	H319	Causes serious eye irritation.
Specific Target Organ Toxicity Category 3 (Respiratory)	H335	May cause respiratory irritation
Carcinogen Category 2	H351	Suspected of causing cancer.
Reproductive Toxicity Category 2	H361	Suspected of damaging fertility or the unborn child.
Chronic Aquatic Environmental Hazard Category 2	H411	Toxic to aquatic life with long lasting effects.

Signal Word: Danger

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GHS Pictograms:



Exclamation Mark



Health Hazard



Aquatic pollutant

Precautionary Statements:

Prevention

P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing vapours.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves, eye protection and face protection.

Response

P302+P352	IF ON SKIN: wash with plenty of soap and water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTRE/doctor if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.

Storage

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Disposal

P501	Dispose of unused product in accordance with local regulations. Dispose of empty container by wrapping with paper and placing in garbage.
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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.

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Section 3: COMPOSITION / INFORMATION on INGREDIENTS

INGREDIENT	CAS No.	CONTENT
Sesame oil	8008-74-0	> 60%
Testosterone propionate	57-85-2	5%
Benzyl alcohol	100-51-6	< 5%

Section 4: FIRST AID MEASURES

General Information :Consult the National Poisons Centre on 13 11 26 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 this SDS, product container or label at hand.

Symptoms and Effects of Exposure: None known.

Inhalation: If fumes, aerosols or combustion products are inhaled remove from patient from contaminated area. Other measures are usually not necessary. If respiratory symptoms occur, remove patient to fresh air. Lay patient down and keep warm and rested. If breathing is shallow or has stopped, ensure airway is clear and apply resuscitation. If breathing is difficult, give oxygen and seek medical assistance immediately.

Ingestion: If swallowed do NOT induce vomiting. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully.

Skin: If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of rash or irritation.

Eye: If eye contact occurs: Immediately flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing for at least 20 minutes. If eye irritation persists, get medical advice/attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Injection: Treat as for needle stick injury. Wash the wound thoroughly with soap and water or use a waterless cleaner or antiseptic if water is unavailable. Apply a dressing as necessary, and apply pressure through the dressing if bleeding is occurring. Do not squeeze or rub the injury site. Dispose of the needle in a suitable sharps container and seek medical advice/attention immediately.

Recommended First Aid Facilities: Ready access to running water and soap is required. Accessible eyewash is required.

Advice to Doctor: Treat as for androgen-anabolic steroid intoxication. Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flash Point: >200°C (sesame oils).

Hazardous Combustion Products: If involved in a fire, may emit noxious fumes.

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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 boots and breathing apparatus

HAZCHEM Code: None specified.

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal: Slippery when spilt. Wear gloves and appropriate protective clothing. Avoid breathing vapours and contact with skin and eyes. Clean up all spills immediately. For small spills, clean up spilled product then wipe area and put empty container in garbage. For large spills, exclude non-essential people from the area. Contain and absorb spill with sand, earth, inert material or vermiculite. Prevent spillage from entering drains or water courses and call emergency services.

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: This product is a Scheduled Poison (S4) and therefore must be stored and maintained in accordance with the relevant State Poisons Act. Handle this product to avoid exposure, taking all recommended precautions. Avoid accidental self-injection. Avoid contact with skin, eyes and inhalation of vapours. Use in a well-ventilated area. Do not allow clothing wet with material to stay in contact with skin. Use personal protective equipment as required. Do not eat, drink or smoke while handling product.

Storage: Keep out of reach of children. Store below 30°C (Room Temperature). Protect from light. Store in a cool, dry, well-ventilated area. Store in original containers, securely sealed, away from foodstuffs. Store locked up and protect containers against physical damage. DO NOT re-use the container.

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. Known exposure limits for ingredients are as follows:

Emergency Limits

INGREDIENT	TEEL-1	TEEL-2	TEEL-3
Sesame oil	Not available	Not available	Not available
Testosterone propionate	Not available	Not available	Not available
Benzyl alcohol	30 ppm	52 ppm	740 ppm

Engineering Controls: Handle in a well-ventilated area. Ensure that the work environment remains clean.

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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.

Eye protection: Safety glasses with side shields or chemical goggles are recommended when handling bulk quantities of this product.

Skin protection: When handling bulk quantities, prevent skin contact by wearing chemical protective gloves e.g. PVC. Wear safety gumboots, e.g. rubber.

Respiratory protection: Not required for the normal use of this product.

Other: When handling bulk quantities of this product, overalls, PVC apron, barrier cream, skin cleansing cream and eye wash unit may be required.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, light yellow liquid.	Lower flammability limits:	No data
Odour:	No data.	Vapour Pressure:	No data.
Odour threshold:	No data.	Vapour density:	No data.
pH:	No data.	Relative density:	Not applicable.
Melting Point:	Not applicable.	Specific Gravity:	0.93 – 0.95.
Boiling Point:	No data.	Solubility in Water:	Immiscible in water.
Flash Point:	>200°C.	Partition coefficient:	No data.
Evaporation Rate:	No data.	Auto-ignition temperature:	No data.
Flammability:	Non-flammable, combustible.	Decomposition temperature:	Not applicable.
Upper flammability limits:	No data	Viscosity:	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 for at least 36 months from the date of manufacture.

Conditions to avoid: Extreme temperatures

Incompatible Materials: Oxidising agents.

Hazardous Decomposition Products: Combustion products include carbon dioxide, nitrogen oxides, silicon dioxide and other pyrolysis products typical of burning organic material.

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Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:

Ingestion: No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be acutely toxic by the oral route.

Sesame Oil: No data.

Testosterone Enanthate: Oral LD₅₀: >1000 mg/kg (rat).

Benzyl Alcohol: Oral LD₅₀: 1230 mg/kg (rat).

Inhalation: No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be acutely toxic by the inhalation route. Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

Sesame Oil: No data.

Testosterone Propionate: No data.

Benzyl Alcohol: Inhalation LC₅₀: >4.178 mg/L4h (rat).

Dermal: No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be acutely toxic by the dermal route. Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Entry into the bloodstream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

Sesame Oil: Dermal LD₅₀: >2000 mg/kg (rabbit).

Testosterone Propionate: No data.

Benzyl Alcohol: Dermal LD₅₀: 2000 mg/kg (rabbit).

Injection: No data for the mixture is available. Effects will vary in severity according to the quantity involved, from localised site reaction (pain, redness, swelling) to acute allergic reaction.

Sesame Oil: Intraperitoneal LD₅₀: >50000 mg/kg (mouse).

Testosterone Propionate: No data

Benzyl Alcohol: Intraperitoneal LD₅₀: 400 mg/kg (rat).

Skin Corrosion / Irritation: No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as **Skin Corrosion/Irritation Category 2**.

Serious Eye Damage / Irritation: No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as **Eye Irritant Category 2A**.

Respiratory or Skin Sensitisation: No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as **Skin Sensitisation Category 1**.

Germ Cell 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, the mixture is classified as **Carcinogen Category 2**. There has been concern that this material can cause cancer or mutations, but there is not enough data to make an assessment. High doses of androgens over prolonged periods may produce liver tumours and hasten growth of cancer of the prostate.

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Reproductive Toxicity: No data for the mixture is available. Based on available data for the ingredients, the mixture is considered to be a **Reproductive Toxicant 2**. Clinical use has caused effects on reproductive system, including prolonged erection (priapism), breast development in males (gynecomastia), loss of libido, decreased sperm count, impairment of male fertility, development of male characteristics (masculinization), development of male characteristics in the female foetus, impairment of female fertility.

STOT: Single exposure: No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as **Specific Target Organ Toxicant after single exposure Category 3 (Respiratory Irritation)**.

STOT: Repeat exposure: No data for the mixture is available. Based on available data for the ingredients, the mixture is not thought to be a Specific Target Organ Toxicant after repeat exposure.

Aspiration Hazard: No data available.

Narcotic Effects: No data for the mixture is available. Based on available data for the ingredients, the mixture is considered to have mild narcotic effects due to the presence of benzyl alcohol and may cause drowsiness or dizziness.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as **Chronic Aquatic Environmental Hazard Category 2**.

Fish

Sesame oil: No data.
 Testosterone: NOEC(ECx) 21h: < 0.001 mg/L.
 Benzyl alcohol: NOEC(ECx) 336h: 5.1 mg/L; LC₅₀ 96h: 10 mg/L.

Crustacea

Sesame oil: No data.
 Testosterone propionate: No data.
 Benzyl alcohol: EC₅₀ 48h: 230 mg/L.

Algae and other aquatic plants

Sesame oil: No data.
 Testosterone: EC₅₀ 72h: 0.5 mg/L.
 Benzyl alcohol: EC₅₀ 72h: 500 mg/L; EC₅₀ 96h: 76.8 mg/L.

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Testosterone propionate	HIGH	High	LOW (LogKOW = 4.7657)	LOW (KOC = 24220)

Section 13: DISPOSAL INFORMATION

Product Disposal: Dispose of product only by using according to label or at an approved landfill.

Container Disposal: Dispose of empty container by wrapping with paper and placing in the garbage.

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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 (Product): Schedule 4

APVMA No.: 47787

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

Section 16: OTHER INFORMATION

This information is based on data believed by Zoetis Australia Pty Ltd 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 Zoetis Australia Pty Ltd 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:

AICS	Australian Inventory of Chemical Substances.
APVMA	Australian Pesticides and Veterinary Medicines Authority.
CAS No.	Chemical Abstracts Service Registry Number.
ECx	The effect concentration at which x% effect (mortality, inhibition of growth, reproduction, etc) is observed compared to the control group. It is usually obtained using an appropriate statistical method such as regression analysis.
GHS	Globally Harmonized System of Classification and Labelling of Chemicals.
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters.
KOC	Soil-Water Partition Coefficient. The ratio of a chemical's concentration that is adsorbed in the soil to the concentration of chemical in solution.
KOW	Octanol Water Partition Coefficient. The ratio of a compound's concentration in a known volume of n-octanol to its concentration in a known volume of water after the octanol and water have reached equilibrium.
LC₅₀	The median lethal concentration, being a statistically derived concentration of a substance that can be expected to cause death in 50% of animals.
LD₅₀	The median lethal dose, being a statistically derived single dose of a substance that can be expected to cause death in 50% of animals.
NICNAS	National Industrial Chemicals Notification and Assessment Scheme.
NOEC	No observable effect concentration.
PVC	Polyvinyl chloride.
SDS	Safety Data Sheet.
STOT	Specific Target Organ Toxicity.
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons.
TEELs	Temporary Emergency Exposure Limits. Guidelines designed to predict the response of members of the general public to different concentrations of a chemical during an emergency response incident.
TEEL-1	The airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience notable discomfort, irritation, or certain asymptomatic, nonsensory effects. However, these

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effects are not disabling and are transient and reversible upon cessation of exposure.

TEEL-2

The airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience irreversible or other serious, long-lasting, adverse health effects or an impaired ability to escape.

TEEL-3

The airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience life-threatening adverse health effects or death.

References

ChemID Plus
Chemwatch
EPA New Zealand Chemical Classification and Information Database (CCID)
European Chemicals Agency (ECHA)
HSDB (Hazardous Substances Data Bank)

Revision History:

Date of Revision	Reason
29 January 2008	First SDS
29 June 2012	Updated the format as per the Code of Practice on Preparation of Safety Data Sheets for Hazardous Chemicals, December 2011, published by Safe Work Australia.
04 July 2017	Five year update. New email address.
24 August 2022	Routine 5-year review. Update to GHS 7. Updates to all sections including GHS classifications.
01 March 2023	Updates to Customer Service and emergency contact telephone numbers to Zoetis numbers.
24 June 2024	Minor revision to update the company details to Zoetis Australia. Minor formatting changes.

END OF SDS