


### Section 1: Identification

<b>Common Name/Trade Name</b>	Finasteride	
<b>Supplier Information</b>	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	<b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours) NSW Poisons Information Centre: 131 126 (24 hours)
<b>Distributor Name</b>	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: <a href="mailto:bellacorp@bellacorp.com.au">bellacorp@bellacorp.com.au</a>	
<b>Product Synonym(s)</b>	N-tert-Butyl-3-oxo-4-aza-5alpha-androst-1-ene-17beta-carboxamide	
<b>Relevant Use(s) of Product</b>	Manufacture or Compounding of Substances	

### Section 2: Hazards Identification

<b>Classification of Substance or Mixture</b>	Acute toxicity, Oral (Category 4), Serious eye damage/eye irritation (Category 2B), Reproductive toxicity (Category 1)	
<b>Signal Word</b>	Danger	
<b>Hazard Statement(s)</b>	H302 H320 H360	Harmful if swallowed Causes eye irritation May damage fertility or the unborn child
<b>Pictogram(s)</b>		
<b>Precautionary Statement(s)</b>	P201 P202 P264 P270 P280 P281 P301+P312 P305+P351+P338 P308+P313 P308+P313 P330 P337+P313 P405 P501	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. IF exposed or concerned Get medical advice/attention. IF exposed or concerned Get medical advice/attention. Rinse mouth. If eye irritation persists Get medical advice/attention. Store locked up. Dispose of contents/container to an approved waste disposal plant.
<b>Hazards Not Otherwise Classified</b>	No data available.	
<b>Ingredient(s) with Unknown Toxicity</b>	No data available.	

### Section 3: Composition/Information on Ingredients

<b>Chemical Name</b>	Finasteride
<b>Common Name</b>	Finasteride
<b>CAS Number</b>	98319-26-7
<b>Impurities and/or Stabilizing Additives</b>	N/A

## Section 4: First Aid Measures

<b>General Advice</b>	Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed health-care provider familiar with workplace chemical exposures. In the United States, the national poison control center phone number is 1-800-222-1222. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention.
<b>If Inhaled</b>	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
<b>In Case of Skin Contact</b>	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>In Case of Eye Contact</b>	Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.
<b>If Swallowed</b>	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not induce vomiting without advice from poison control center.
<b>Most Important Symptoms and Effects</b>	Potent pharmacologically active material. Occupational exposure to small amounts may cause physiological effects. Reproductive system effects. Provide general supportive measures and treat symptomatically.

## Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Water. Foam. Dry chemical or CO <sub>2</sub> . Use fire-extinguishing media appropriate for surrounding materials.
<b>Special Hazards Arising From the Substance/Mixture</b>	No unusual fire or explosion hazards noted.
<b>Special PPE and/or Precautions for Firefighters</b>	Wear suitable protective equipment. Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. Cool containers exposed to flames with water until well after the fire is out.

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Keep unnecessary personnel away. Wear appropriate personal protective equipment. Avoid inhalation of dust from the spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the SDS.
<b>Methods and Materials Used for Containment</b>	Avoid the generation of dusts during clean-up. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.
<b>Cleanup Procedures</b>	Avoid the generation of dusts during clean-up. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling</b>	As a general rule, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly. Select and use containment devices and personal protective equipment based on a risk assessment of material potency and exposure potential.
<b>Conditions for Safe Storage</b>	Store in tight container. This material should be handled and stored per label instructions to ensure product integrity.

## Section 8: Exposure Controls/Personal Protection

<b>Components with Workplace Control Parameters</b>	The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits. Finasteride (CAS 98319-26-7) TWA 0.5 micrograms/m <sup>3</sup> . No biological exposure limits noted for the ingredient(s).
<b>Appropriate Engineering Controls</b>	No open handling. For laboratory operations, use approved ventilation or containment system (biological safety cabinet, ventilated balance enclosure, glovebox). Control exposures to below the occupational exposure level (if available). Select and use containment devices and personal protective equipment based on a risk assessment of exposure potential. Cover all containers for solutions and slurries while being transferred. Handle in accordance with good industrial hygiene and safety practice. Pharmacological effects may be seen with occupational exposure. Handling practices in this SDS are recommendations for laboratory use of USP materials.
<b>PPE - 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>PPE - Skin Protection</b>	Consider double gloves. Wear nitrile or other impervious gloves if skin contact is possible. When the material is dissolved or suspended in an organic solvent, wear gloves that provide protection against the solvent. Hand protection Train employees in proper gowning and degowning practices. Wear disposable lab coat, disposable sleeve covers and two pairs of gloves as appropriate for the task. Base the choice of skin protection on the job activity, potential for skin contact and solvents and reagents in use. Do not wear protective garments in common areas (e.g., cafeterias) or out-of-doors.
<b>PPE - Body Protection</b>	Consider double gloves. Wear nitrile or other impervious gloves if skin contact is possible. When the material is dissolved or suspended in an organic solvent, wear gloves that provide protection against the solvent. Hand protection Train employees in proper gowning and degowning practices. Wear disposable lab coat, disposable sleeve covers and two pairs of gloves as appropriate for the task. Base the choice of skin protection on the job activity, potential for skin contact and solvents and reagents in use. Do not wear protective garments in common areas (e.g., cafeterias) or out-of-doors. Wear appropriate thermal protective clothing, when necessary.
<b>PPE - Respiratory Protection</b>	Use a powered air-purifying respirator (PAPR) with HEPA filters, disposable outerware and head cover for spill cleanup. Choose respiratory protection appropriate to the task and the level of existing engineering controls.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Solid. Powder. White. Off-white.
<b>Upper/Lower Flammability or Explosive Limits</b>	Not available.
<b>Odor</b>	No available.
<b>Vapor Pressure</b>	Not available.
<b>Odor Threshold</b>	No available.
<b>Vapor Density</b>	Not available.
<b>pH</b>	Not available.
<b>Relative Density</b>	Not available.
<b>Melting Point/Freezing Point</b>	485.6 - 494.6°F (252 – 257°C)
<b>Solubility</b>	Very slightly soluble in water. Freely soluble in Alcohol. Freely soluble in Chloroform.
<b>Initial Boiling Point and Boiling Range</b>	Not available.
<b>Flash Point</b>	Not available.
<b>Evaporation Rate</b>	Not available.
<b>Flammability (Solid, Gas)</b>	Not available.
<b>Partition Coefficient</b>	(n-octanol/water): 3.5
<b>Auto-Ignition Temperature</b>	716 – 734°F (380 – 390°C)
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not available.

## Section 10: Stability and Reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical Stability</b>	Material is stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid</b>	Contact with incompatible materials.
<b>Incompatible Materials</b>	None known.
<b>Hazardous Decomposition Products</b>	NO <sub>x</sub> . Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.

## Section 11: Toxicological Information

<b>Acute Toxicity - LD50 Oral</b>	LD50 Mouse 486 mg/kg Rat 373 mg/kg Harmful if swallowed.
<b>Acute Toxicity - Inhalation</b>	Knowledge about health hazard is incomplete.
<b>Acute Toxicity - Dermal</b>	Knowledge about health hazard is incomplete.
<b>Acute Toxicity - Eye</b>	Causes eye irritation.
<b>Skin Corrosion/Irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious Eye Damage/Irritation</b>	Causes eye irritation.
<b>Respiratory or Skin Sensitization</b>	Knowledge about health hazard is incomplete.
<b>Germ Cell Mutagenicity</b>	Mutagenicity Chromosome aberration Result: Negative. In vitro alkaline elution assay Result: Negative. In vitro bacterial mutagenicity assay Result: Negative. In vitro chromosome aberration assay in Chinese hamster ovary cells Result: Positive. Severity: Slight increase. Mammalian cell mutagenicity assay Result: Negative.
<b>Carcinogenicity IARC</b>	Not listed. Knowledge about carcinogenicity is incomplete. 160 - 320 mg/kg/day Carcinogenicity Result: No tumorigenic effects. Species: Rat Test Duration: 24 months 250 mg/kg/day Carcinogenicity Result: Increased incidence of testicular Leydig cell adenomas. Species: Mouse Test Duration: 19 months
<b>Carcinogenicity ACGIH</b>	Knowledge about carcinogenicity is incomplete. 160 - 320 mg/kg/day Carcinogenicity Result: No tumorigenic effects. Species: Rat Test Duration: 24 months 250 mg/kg/day Carcinogenicity Result: Increased incidence of testicular Leydig cell adenomas. Species: Mouse Test Duration: 19 months
<b>Carcinogenicity NTP</b>	Not listed. Knowledge about carcinogenicity is incomplete. 160 - 320 mg/kg/day Carcinogenicity Result: No tumorigenic effects. Species: Rat Test Duration: 24 months 250 mg/kg/day Carcinogenicity Result: Increased incidence of testicular Leydig cell adenomas. Species: Mouse Test Duration: 19 months
<b>Carcinogenicity OSHA</b>	Not listed. Knowledge about carcinogenicity is incomplete. 160 - 320 mg/kg/day Carcinogenicity Result: No tumorigenic effects. Species: Rat Test Duration: 24 months 250 mg/kg/day Carcinogenicity Result: Increased incidence of testicular Leydig cell adenomas. Species: Mouse Test Duration: 19 months
<b>Reproductive Toxicity</b>	May damage fertility or the unborn child. 5 alpha-reductase inhibitors prevent conversion of testosterone to dihydrotestosterone (DHT), a hormone necessary for normal development of male genitalia. In animal reproduction and developmental toxicity studies, 5 alpha-reductase inhibitors inhibited normal development of external genitalia in male fetuses. Reproductivity 0.1 - 100 mg/kg/day Reproductivity and development study, administered during gestation. Result: Dose-dependent development of hypospadias in male offspring. Species: Rat 2 mg/kg/day Reproductivity and development study, oral administration during gestation. Result: External genital abnormalities in male fetuses. Species: Rhesus monkey
<b>Specific Target Organ Toxicity - Single Exposure</b>	Knowledge about health hazard is incomplete.
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	Knowledge about health hazard is incomplete.
<b>Aspiration Hazard</b>	Based on available data, the classification criteria are not met

## Section 12: Ecological Information

<b>Toxicity</b>	Aquatic Crustacea LC50 Water flea (Daphnia magna) 21 mg/l, 48 hours Fish LC50 Rainbow Trout 19.6 mg/l, 96 hours
<b>Persistence and Degradability</b>	No data is available on the degradability of this substance.
<b>Bio-accumulative Potential</b>	Octanol/water partition coefficient log Kow 3.5
<b>Mobility in Soil</b>	No data available.
<b>Other Adverse Effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste Treatment Methods Packaging</b>	Dispose in accordance with all applicable regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
<b>Special Precautions Landfill or Incinerations</b>	No data available.
<b>Other Information</b>	No data available.

## Section 14: Transport Information

<b>UN Number</b>	Not dangerous goods.
<b>UN Proper Shipping Name</b>	N/A
<b>Transport Hazard Class(es)</b>	N/A
<b>Packaging Group</b>	N/A
<b>Environmental Hazards</b>	No data available.

## Section 15: Regulatory Information

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Toxic Substances Control Act (TSCA) TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Not listed. SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001- 1053) Not listed. SARA 302 Extremely hazardous substance Superfund Amendments and Reauthorization Act of 1986 (SARA) Not listed. SARA 311/312 Hazardous Yes chemical. Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Safe Drinking Water Act Not regulated. (SDWA) US state regulations California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). International Inventories Country(s) or region Inventory name On inventory (yes/no)\* Australia Australian Inventory of Chemical Substances (AICS) No Canada Domestic Substances List (DSL) No Canada Non-Domestic Substances List (NDSL) No China Inventory of Existing Chemical Substances in China (IECSC) No Europe European Inventory of Existing Commercial Chemical No Substances (EINECS) Europe European List of Notified Chemical Substances (ELINCS) No Japan Inventory of Existing and New Chemical Substances (ENCS) No Korea Existing Chemicals List (ECL) No New Zealand New Zealand Inventory No Philippines Philippine Inventory of Chemicals and Chemical Substances No (PICCS) Taiwan Taiwan Chemical Substance Inventory (TCSI) Yes United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory No

## Section 16: Other Information

<b>Additional Information</b>	N/A
<b>Prepared By</b>	Scarlotte Smith
<b>Revision Date</b>	02/12/2024 09:57

### Disclaimer

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