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	MATERIAL SAFETY DATA SHEET		
Product	FINASTERIDE	Version No.	00
MSDS No.	MSDS/FP/FS	Effective Date	05/08/2005

### 1 Identification of the substance/preparation and of the company/undertaking

Product name : FINASTERIDE.  
 Chemical formula : C<sub>23</sub>H<sub>36</sub>N<sub>2</sub>O<sub>2</sub>.  
 Synonym : FINASTERIDE.  
 Manufacturer / Supplier : M/s. AUROBINDO PHARMA LIMITED,  
 PLOT NO. : 2, MAITHRIVIHAR COMPLEX,  
 AMEERPET, HYDERABAD – 500 038.

### 2 Composition / information on ingredients

Substance/Preparation : Substance  
 Chemical name : N-(1,1-DIMETHYLETHYL)-3-OXO-4-AZA-5 $\alpha$ -ANDROST-1-ENE-17 $\alpha$ -CARBOXAMIDE  
 CAS No. : [98319-26-7]


### 3 Hazards identification

Physical/chemical hazards : Not applicable.  
 Human health hazards : Harmful IF swallowed. May cause birth defects. Possible risk of harm to the unborn child.

### 4 First-aid measures

#### Effects and symptoms

Inhalation : Remove to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration.  
 Ingestion : Call a physician.  
 Eye contact : Eyes contact: Immediately flush eyes with copious amounts of water for at least 15 Minutes  
 Skin Contact : Immediately wash skin with soap and copious amounts of water. Wash contaminated clothing before reuse.  
 Aggravating conditions : None for occupational exposure.

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## 5 Fire-fighting measures

- Flammability of the Product** : May be combustible at high temperature.
- Fire Extinguishing Media** : Carbon dioxide, Dry Chemical Powder, Alcohol or Polymer Foam.
- Special fire-fighting procedures** : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## 6 Accidental release measures


- Personal precautions** : Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
- Small Spill and Leak** : Use appropriate tools to put the spilled solid in a convenient waste disposal container. Sweep up, place in a bag and hold for waste disposal.
- Large Spill and Leak** : Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.

## 7 Handling and storage

- Handling** : Approved respirator. Compatible chemical-resistant gloves. Chemical safety goggles. Mechanical exhaust required. Safety shower and eye-bath. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Avoid contact and inhalation. Finasteride presents a special risk to pregnant women.
- Storage** : Keep unopened in the original container at about 2-8 °C.

## 8 Exposure controls/personal protection

- Engineering measures** : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- Hygiene measures** : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

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**Personal protective equipment**

**Respiratory system** : Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

**Skin and body** : Lab coat.

**Hands** : chemical resistant gloves

**Eyes** : Safety glasses.

**Protective Clothing (Pictograms)**



**9 Physical and chemical properties**

**Appearance and Odour** : A white to off-white, crystalline solid.

**Molecular Weight** : 372.6

**Solubility** : Freely soluble in ethanol and in methylene chloride, practically insoluble in water.

**Flash point** : Not available.


**Explosive properties** : Risks of explosion of the product in presence of mechanical impact : Not available.  
Risks of explosion of the product in presence of static discharge : Not available.

**10 Stability and reactivity**

**Stability** : Stable to temperatures of less than 150 °C. Hazardous combustion or decomposition products: CO<sub>x</sub>, NO<sub>x</sub>.

**Conditions to avoid** : Sensitive to light.

**Hazardous Decomposition Products** : Hazardous combustion or decomposition products: CO<sub>x</sub>, NO<sub>x</sub>.

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## 11 Toxicological information

- Threshold Limit Value** : None established.
- Adverse Effects** : Adverse reactions are generally mild and consists of skin rashes or diarrhoea other adverse effects include hypotension, dizziness, fatigue, headache, gastrointestinal disturbances, persistent dry cough and other upper respiratory tract symptoms etc.,
- Over dose effect** : N/F
- Acute** : Harmful if swallowed. Can cause severe skin reactions
- Chronic** : Not available to the best of our knowledge. The chemical, physical and toxicological properties have not been thoroughly investigated.
- Inhalation** : Avoid inhalation. Remove to fresh air.
- Ingestion** : Cause irritation. Flush out mouth with water.
- Skin** : Cause irritation. Flush with copious quantities of water.

## 12 Ecological information

- Ecotoxicity** : Not available.
- Toxicity of the Products of Biodegradation** : The products of degradation are less toxic than the product itself.

## 13 Disposal considerations

- Methods of disposal; Waste of residues; Contaminated packaging** : Incinerate in an approved facility.  
Observe all federal-state and local environmental regulations.

### Notice to Reader

#### WARRANTY

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Aurobindo shall not be held liable for any damage resulting from handling or from contact with the above product.