(in accordance with Regulation (EU) 2020/878)

# 4180-Finasteride

Version 1 Date of compilation: 11/05/2016



Page 1 of 10 Print date: 13/03/2023 **Version 6 (replaces version 5) Revision date: 13/03/2023** 

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.

### 1.1 Product identifier.

Product Name: Finasteride 4180 Product Code: Chemical Name: Finasteride CAS No: 98319-26-7

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against.

Active pharmaceutical ingredient

### Uses advised against:

Uses other than those recommended.

### 1.3 Details of the supplier of the safety data sheet.

Company: **GUINAMA** 

C/ Praga, s/n. P.I. Gutenberg Address: City: 46185 La Pobla de Vallbona

Province: Valencia

Telephone: +34961869090 / 902119816

+34961850352 Fax: ventas@guinama.com E-mail: Web: www.quinama.com

1.4 Emergency telephone number: +34961869090 / 902119816 (Only available during office hours; Monday-Friday; 08:00-

18:00)

### **SECTION 2: HAZARDS IDENTIFICATION.**

# 2.1 Classification of the substance or mixture.

In accordance with Regulation (EC) No 1272/2008:

Acute Tox. 4: Harmful if swallowed.

Aquatic Chronic 1: Very toxic to aquatic life with long lasting effects.

Repr. 1B: May damage fertility or the unborn child.

Resp. Sens. 1: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sens. 1: May cause an allergic skin reaction.

STOT RE 1: Causes damage to organs through prolonged or repeated exposure.

### 2.2 Label elements.

# Labelling in accordance with Regulation (EC) No 1272/2008:

Pictograms:







### Signal Word:

### **Danger**

### Hazard statements:

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H360 May damage fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

(in accordance with Regulation (EU) 2020/878)

# 4180-Finasteride

Date of compilation: 11/05/2016 Version 1

Page 2 of 10 **Revision date: 13/03/2023** Print date: 13/03/2023 **Version 6 (replaces version 5)** 



#### Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash ... thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

[In case of inadequate ventilation] wear respiratory protection. P284 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell

P302+P352 IF ON SKIN: Wash with plenty of water/...

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell. P321 Specific treatment (see ... on this label).

P330 Rinse mouth.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

If experiencing respiratory symptoms: Call a POISON CENTER/doctor/... P342+P311

P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage. P405 Store locked up.

P501 Dispose of contents/container to ...

#### 2.3 Other hazards.

The substance is not PBT The substance is not vPvB

Substance does not have endocrine disrupting properties.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.**

### 3.1 Substances.

|                    | Name        | Concentrate | (*)Classification - Regulation (EC)<br>No 1272/2008   |   |
|--------------------|-------------|-------------|---|---|
| Identifiers        |             |             | Classification  | Specifics<br>concentration<br>limits and Acute<br>toxicity estimate |
| CAS No: 98319-26-7 | Finasteride | >= 75%      | Acute Tox. 4,<br>H302 - Aquatic<br>Chronic 1,<br>H410 - Repr.<br>1B, H360 -<br>Resp. Sens. 1,<br>H334 - Skin<br>Sens. 1, H317 -<br>STOT RE 1,<br>H372 | -   |

### 3.2 Mixtures.

Not Applicable.

### **SECTION 4: FIRST AID MEASURES.**

## 4.1 Description of first aid measures.

Delayed effects may occur after the exposure to the product.

### Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

(in accordance with Regulation (EU) 2020/878)

# 4180-Finasteride



#### Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Dont let the person to rub the affected eye.

#### Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

#### Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed.

Harmful Product, prolonged exposure due to inhalation may cause anaesthetic effects and the need for immediate medical assistance.

Long-term chronic exposure may result in injury to certain organs or tissues.

It may cause an allergic reaction, dermatitis, redness or inflammation of the skin.

It may cause an allergic reaction in the respiratory system. Chronic exposure can lead to asthma.

#### 4.3 Indication of any immediate medical attention and special treatment needed.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Keep the person comfortable. Turn him/her over to the left side and stay there while waiting for medical care.

### **SECTION 5: FIREFIGHTING MEASURES.**

The product is NOT classified as flammable, in case of fire the following measures should be taken:

### 5.1 Extinguishing media.

### Suitable extinguishing media:

Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

### Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

# 5.2 Special hazards arising from the substance or mixture. Special risks.

Exposure to combustion or decomposition products can be harmful to your health.

### 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Product residues and extinguishing media may contaminate the aquatic environment.

### Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

# **SECTION 6: ACCIDENTAL RELEASE MEASURES.**

### 6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

### 6.2 Environmental precautions.

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

# 6.3 Methods and material for containment and cleaning up.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

(in accordance with Regulation (EU) 2020/878)

# 4180-Finasteride

Version 1 Date of compilation: 11/05/2016

**Version 6 (replaces version 5) Revision date: 13/03/2023** 



Page 4 of 10

Print date: 13/03/2023

#### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8. For later elimination of waste, follow the recommendations under section 13.

### **SECTION 7: HANDLING AND STORAGE.**

### 7.1 Precautions for safe handling.

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

### 7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 25 ° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

Classification and threshold amount of storage in accordance with Annex I to Directive 2012/18/EU (SEVESO III):

|      |   | Qualifying quantity (tonnes) for<br>the application of |                         |
|------|---|--|-------------------------|
| Code | Description   | Lower-tier requirements                                | Upper-tier requirements |
| E1   | ENVIRONMENTAL HAZARDS - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1 | 100  | 200                     |

# 7.3 Specific end use(s).

Not available.

# **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.**

### 8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

### 8.2 Exposure controls.

### Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

| Concentration:      | 100 %   |
|---------------------|---|
| Uses:               | Active pharmaceutical ingredient  |
| Breathing protecti  | ion:  |
| PPE:                | Particle filter mask  |
| Characteristics:    | «CE» marking, category III. Made of filtering material, it covers nose, mouth and chin.   |
| CEN standards:      | EN 149  |
| Maintenance:        | Check for any tears, defects, etc. before use. Since it is disposable individual protection equipment, it should be replaced after use. |
| Observations:       | Does not protect worker unless properly adjusted. Follow the manufacturer's instructions regarding suitable use of the equipment.       |
| Filter Type needed: | P2  |
| Hand protection:    |   |
| PPE:                | Non-disposable protective gloves against chemicals.   |
| Characteristics:    | «CE» marking, category III. Check the list of chemicals for which the glove has been tested.  |
| CEN standards:      | EN 374-1, En 374-2, EN 374-3, EN 420  |

(in accordance with Regulation (EU) 2020/878)

# 4180-Finasteride

Version 1 Date of compilation: 11/05/2016

Version 6 (replaces version 5) Revision date: 13/03/2023



Page 5 of 10

Print date: 13/03/2023

A schedule for the periodical replacement of gloves should be established in order to guarantee their Maintenance: replacement before pollutants permeate them. The use of contaminated gloves could be more dangerous than not using gloves, since the pollutant can gradually accumulate in the glove's material. They are to be replaced whenever tears, cracks or deformations are observed or when exterior dirt could Observations: reduce their strength. Breakthrough time Material thickness PVC (polyvinyl chloride) > 480 0,35 Material: (min.): (mm): Eye protection: PPE: Protective goggles against particle impacts. Characteristics: «CE» marking, category II. Eye protector against dust and smoke. CFN standards: EN 165, EN 166, EN 167, EN 168 Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should Maintenance: be disinfected periodically following the manufacturer's instructions. Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, Observations: scraping etc. Skin protection: Chemical protective clothing PPE: «CE» marking, category III. Clothing should fit properly. The level of protection must be set according to a test parameter called BT (Breakthrough Time), which Characteristics: indicates how long it takes for the chemical to pass through the material. CEN standards: EN 464,EN 340, EN 943-1, EN 943-2, EN ISO 6529, EN ISO 6530, EN 13034 In order to guarantee uniform protection, follow the washing and maintenance instructions provided by Maintenance: the manufacturer. The protective clothing's design should facilitate correct positioning, staying in place without moving for Observations: the period of use expected, bearing in mind environmental factors as well as any movement or position the user might adopt while carrying out the activity. PPE: Anti-static safety footwear against chemicals. «CE» marking, category III. Check the list of chemicals against which the footwear Characteristics: is resistant. EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20344, EN ISO CEN standards: 20345 For correct maintenance of this kind of safety footwear, it is necessary to observe the instructions Maintenance: specified by the manufacturer. The footwear should be replaced as soon as any sign of damage is The footwear should be cleaned regularly and dried when damp, although it should not be placed too Observations: close to a source of heat in order to avoid any sharp changes in temperature.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.**

# 9.1 Information on basic physical and chemical properties.

Physical state: Solid - Dust

Colour: white

Odour: Not applicable/Not available due to the nature/properties of the product

Odour threshold: Not applicable/Not available due to the nature/properties of the product

Melting point: 252-254 °C

Freezing point: Not applicable/Not available due to the nature/properties of the product

Boiling point or initial boiling point and boiling range: Not applicable/Not available due to the nature/properties of the product

Flammability: Not applicable/Not available due to the nature/properties of the product Lower explosion limit: Not applicable/Not available due to the nature/properties of the product Upper explosion limit: Not applicable/Not available due to the nature/properties of the product

Flash point: > 60 °C

Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product Decomposition temperature: Not applicable/Not available due to the nature/properties of the product

pH: Not applicable/Not available due to the nature/properties of the product

Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product

Solubility: soluble in ethanol, methylene chloride

Hydrosolubility: insolube in water

Liposolubility: Not applicable/Not available due to the nature/properties of the product

Partition coefficient n-octanol/water (log value): log pow: 3.5

Vapour pressure: Not applicable/Not available due to the nature/properties of the product Absolute density: Not applicable/Not available due to the nature/properties of the product Relative density: Not applicable/Not available due to the nature/properties of the product Relative vapour density: Not applicable/Not available due to the nature/properties of the product

(in accordance with Regulation (EU) 2020/878)

# 4180-Finasteride

Version 1 Date of compilation: 11/05/2016

Page 6 of 10 Print date: 13/03/2023 **Version 6 (replaces version 5) Revision date: 13/03/2023** 

Particle characteristics: Not applicable/Not available due to the nature/properties of the product

#### 9.2 Other information

Not applicable/Not available due to the nature/properties of the product

### **SECTION 10: STABILITY AND REACTIVITY.**

# 10.1 Reactivity.

The product does not present hazards by their reactivity.

### 10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

#### 10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

#### 10.4 Conditions to avoid.

Avoid any improper handling.

### 10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

### 10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

### **SECTION 11: TOXICOLOGICAL INFORMATION.**

## 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008.

There are no tested data available on the product.

a) acute toxicity;

Product classified:

Acute toxicity (Oral), Category 4: Harmful if swallowed.

b) skin corrosion/irritation;

Not conclusive data for classification.

c) serious eye damage/irritation;

Not conclusive data for classification.

d) respiratory or skin sensitisation;

Product classified:

Respiratory sensitiser, Category 1: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitiser, Category 1: May cause an allergic skin reaction.

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) reproductive toxicity;

Product classified:

Reproductive toxicant, Category 1B: May damage fertility or the unborn child.

h) STOT-single exposure;

Not conclusive data for classification.

i) STOT-repeated exposure;

Product classified:

Specific target organ toxicity following a repeated exposure, Category 1: Causes damage to organs through prolonged or repeated exposure.

(in accordance with Regulation (EU) 2020/878)

# 4180-Finasteride

Version 1 Date of compilation: 11/05/2016

Page 7 of 10 Print date: 13/03/2023 **Version 6 (replaces version 5) Revision date: 13/03/2023** 



Not conclusive data for classification.

#### 11.2 Information on other hazards.

#### **Endocrine disrupting properties**

This product does not contain components with endocrine-disrupting properties with effects on human health.

#### Other information

There is no information available on other adverse health effects.

### **SECTION 12: ECOLOGICAL INFORMATION.**

### 12.1 Toxicity.

No information is available regarding the ecotoxicity.

#### 12.2 Persistence and degradability.

No information is available regarding the biodegradability

No information is available on the degradability

No information is available about persistence and degradability of the product.

#### 12.3 Bioaccumulative potential.

Information about the bioaccumulation.

| Name                      | Bioaccumulation |     |       |          |
|---------------------------|-----------------|-----|-------|----------|
| Name                      | Log Pow         | BCF | NOECs | Level    |
| Finasteride               | log pow:        | _   | _     | Very low |
| CAS No: 98319-26-7 EC No: | 3.5             |     |       | very low |

### 12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

# 12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

# 12.6 Endocrine disrupting properties.

No information is available

### 12.7 Other adverse effects.

No information is available about other adverse effects for the environment.

# **SECTION 13: DISPOSAL CONSIDERATIONS.**

### 13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

### **SECTION 14: TRANSPORT INFORMATION.**

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

**<u>Land</u>**: Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

Sea: Transport by ship: IMDG. Transport documentation: Bill of lading

(in accordance with Regulation (EU) 2020/878)

# 4180-Finasteride

Date of compilation: 11/05/2016 Version 1



**<u>Air</u>:** Transport by plane: ICAO/IATA. Transport document: Airway bill.

# 14.1 UN number or ID number.

UN No: UN3077

#### 14.2 UN proper shipping name.

Description:

ADR/RID: UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS FINASTERIDE), 9, PG III, (-) IMDG: UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS FINASTERIDE), 9, PG III, MARINE

**POLLUTANT** 

ICAO/IATA: UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS FINASTERIDE), 9, PG III

### 14.3 Transport hazard class(es).

Class(es): 9

### 14.4 Packing group.

Packing group: III

#### 14.5 Environmental hazards.

Marine pollutant: Yes



Dangerous for the environment

Transport by ship, FEm - Emergency sheets (F - Fire, S - Spills): F-A,S-F

# 14.6 Special precautions for user.

Labels: 9



Hazard number: 90 ADR LQ: 5 kg IMDG LQ: 5 kg ICAO LQ: 30 kg B

Provisions concerning carriage in bulk ADR:

Carriage in bulk in sheeted vehicles, sheeted containers or sheeted bulk containers is permitted. VC1

VC2 Carriage in bulk in closed vehicles, closed containers or closed bulk containers is permitted.

Proceed in accordance with point 6.

### 14.7 Maritime transport in bulk according to IMO instruments.

The product is not transported in bulk.

# **SECTION 15: REGULATORY INFORMATION.**

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): E1

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

(in accordance with Regulation (EU) 2020/878)

# 4180-Finasteride

Date of compilation: 11/05/2016 Version 1



Page 9 of 10 Version 6 (replaces version 5) Print date: 13/03/2023 **Revision date: 13/03/2023** 

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

### 15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

# **SECTION 16: OTHER INFORMATION.**

#### Classification codes:

Acute Tox. 4: Acute toxicity (Oral), Category 4

Aquatic Chronic 1: Chronic effect to the aquatic environment, Category 1

Repr. 1B: Reproductive toxicant, Category 1B Resp. Sens. 1: Respiratory sensitiser, Category 1 Skin Sens. 1 : Skin sensitiser, Category 1

STOT RE 1: Specific target organ toxicity following a repeated exposure, Category 1

Changes regarding to the previous version:

- Addition of precautionary statements/hazard statements/pictograms/signal word (SECTION 2.2).
- Changes in the composition of the product (SECTION 3.2).
- Modification in the values of the physical and chemical properties (SECTION 9).

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards On basis of test data Health hazards Calculation method **Environmental hazards** Calculation method

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

### Information on the TSCA Inventory (Toxic Substances Control Act) USA:

| CAS No     | Name        | State |
|------------|-------------|-------|
| 98319-26-7 | Finasteride |       |

# Risk classification system NFPA 704:



Health hazard: 3 (Extreme Danger)

Flammability: 0 (Will not burn)

Reactivity: 0 (Stable)

Abbreviations and acronyms used:

ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road.

BCF: Bioconcentration factor.

CEN: European Committee for Standardization. EC50: Half maximal effective concentration.

(in accordance with Regulation (EU) 2020/878)

# 4180-Finasteride

Version 1 Date of compilation: 11/05/2016 Page 10 of 10
Version 6 (replaces version 5) Revision date: 13/03/2023 Print date: 13/03/2023

PPE: Personal protection equipment.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

IMDG: International Maritime Code for Dangerous Goods.

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

NOEC: No observed effect concentration.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data:

http://eur-lex.europa.eu/homepage.html

http://echa.europa.eu/

Regulation (EU) 2020/878. Regulation (EC) No 1907/2006. Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.