SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: TESTOSTERONE PROPIONATE, USP
PRODUCT CODE: 0054
SUPPLIER:
- MEDISCA Inc.
  Tel.: 1.800.932.1039 | Fax.: 1.855.850.5855
  661 Route 3, Unit C, Plattsburgh, NY, 12901
  3955 W. Mesa Vista Ave., Unit A-10, Las Vegas, NV, 89118
  6641 N. Belt Line Road, Suite 130, Irving, TX, 75063
- MEDISCA Pharmaceutique Inc.
  Tel.: 1.800.665.6334 | Fax.: 514.338.1693
  4509 Rue Dobrin, St. Laurent, QC, H4R 2L8
  21300 Gordon Way, Unit 153/158, Richmond, BC V6W 1M2
- MEDISCA Australia PTY LTD
  Tel.: 1.300.786.392 | Fax.: 61.2.9700.9047
  Unit 7, Heritage Business Park
  5-9 Ricketty Street, Mascot, NSW 2020

EMERGENCY PHONE:
- CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300
- NSW Poisons Information Centre: 131 126

USES:
Androgen; Anabolic steroid

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION:
- Acute Toxicity - Oral (Category 4)
- Toxic to Reproduction (Category 1B)
- Carcinogenicity (Category 1B)
- Acute Aquatic Toxicity (Category 3)

PICTOGRAM:

SIGNAL WORD: Danger

HAZARD STATEMENT(S):
- Harmful if swallowed
- May damage fertility or the unborn child
- May cause cancer
- Harmful to aquatic life

AUSTRALIA-ONLY HAZARDS:
- Repeated exposure may cause skin dryness or cracking.

PRECAUTIONARY STATEMENT(S):

Prevention:
- Wash thoroughly after handling
- Do not eat, drink or smoke when using this product
- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Wear protective gloves, protective clothing, eye protection, face protection
- Avoid release to the environment

Response:
- IF SWALLOWED: Immediately call a poison center or medical professional; Rinse mouth.
- IF EXPOSED OR CONCERNED: Get medical advice/attention.

Storage:
- Store locked up.

Disposal:
- Dispose of contents and/or container in accordance with local regulations.

HMIS CLASSIFICATION:
- Health Hazard: 2
- Flammability: 0
- Reactivity: 0
- Personal Protection: G
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
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<tr>
<th>CHEMICAL NAME</th>
<th>4-Androsten-17beta-ol-3-one 17-propionate</th>
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<td>BOTANICAL NAME</td>
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<tr>
<td>SYNONYM</td>
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<td>CHEMICAL FORMULA</td>
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<td>CAS NUMBER</td>
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<th>CAS NUMBER</th>
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<td>TESTOSTERONE PROPIONATE</td>
<td>57-85-2</td>
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</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as health hazards and hence require reporting in this section.

NOTES
Chemical family: Anabolic steroid; testosterone ester

SECTION 4: FIRST-AID MEASURES

IN CASE OF EYE CONTACT
Flush with copious amounts of water for 15 minutes, separating eyelids with fingers. If irritation persists seek medical aid.

IN CASE OF SKIN CONTACT
Wash with soap & water for 15 minutes. If irritation persists seek medical aid.

IF SWALLOWED
Call a physician. Wash out mouth with water. Do not induce vomiting without medical advice.

IF INHALED
Not expected to present a significant hazard under anticipated conditions of normal use.

SYMPTOMS AND EFFECTS

SECTION 5: FIREFIGHTING MEASURES

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL
Not applicable

FLAMMABLE PROPERTIES
May be combustible at high temperature

HAZARDOUS COMBUSTION PRODUCTS
Under fire conditions, hazardous fumes will be present.

EXTINGUISHING MEDIA
Small fire: dry chemical, CO₂ or water spray. Large fire: dry chemical, CO₂, alcohol resistant foam or water spray. Do not get water inside containers.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
METHODS & MATERIAL FOR
CONTAINMENT

On land, sweep or shovel into suitable containers. Minimize generation of dust.

CLEANUP PROCEDURE

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Shut off all sources of ignition. Evacuate the area. If necessary, employ water fog to disperse the vapors. Absorb the matter with compatible vermiculite or other absorbing material. Place in a suitable container and retain for disposal. Ventilate and clean the affected area. Do not flush into sewage system or to drains.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Do not inhale. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

STORAGE CONDITIONS

Store in original container, tightly sealed container, protected from direct sunlight, in a dry and well-ventilated area, away from incompatible materials. Store in accordance with local regulations. Eliminate all ignition sources. Separate from oxidizing materials. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Preserve in well-closed, light-resistant containers.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Chemical Name: TESTOSTERONE PROPIONATE  CAS #: 57-85-2

<table>
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<tr>
<th>Chemical Name: TESTOSTERONE PROPIONATE  CAS #: 57-85-2</th>
<th>OSHA PEL</th>
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<th>NIOSH</th>
<th>AIHA WEEL</th>
<th>Safe Work Australia HSIS</th>
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</tbody>
</table>

N/L = Not Listed

EXPOSURE GUIDELINES

Consult local authorities for provincial or state exposure limits. Particulates not otherwise regulated, respirable fraction: 5 mg/m³

PERSONAL PROTECTIVE EQUIPMENT

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by WHMIS or OSHA’s eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. **Skin:** Wear appropriate gloves to prevent skin exposure. **Clothing:** Wear appropriate protective clothing to minimize contact with skin. **Respirators:** Follow WHMIS or OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SPECIFIC ENGINEERING CONTROLS

Adequate mechanical ventilation. Fumehood, eye wash station, and safety shower.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE**  Solid

**DESCRIPTION**  White or creamy white crystals or crystalline powder. Is odorless and is stable in air.

**SOLUBILITY**  Insoluble in water; freely soluble in alcohol, in dioxane, in ether, and in other organic solvents; soluble in vegetable oils.

**ODOR**  Odorless
SAFETY DATA SHEET

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY
Not established

STABILITY
Stable under recommended storage conditions

MATERIALS TO AVOID

HAZARDOUS DECOMPOSITION PRODUCTS
Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and other gases may occur

HAZARDOUS POLYMERIZATION
Will not occur

POSSIBILITY OF HAZARDOUS REACTION
Not established

CONDITIONS TO AVOID
Moisture, sunlight and extreme temperatures

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY
Oral: Rat: LD50: (mg/kg): 1000
Dermal: Rabbit LD50: (mg/kg): Not available
Inhalation: Rat: LD50: (mg/L/4hr): Not available

SKIN CORROSION/IRRITATION
Due to lack of data the classification is not possible.

SERIOUS EYE DAMAGE/EYE IRRITATION
Due to lack of data the classification is not possible.

RESPIRATORY OR SKIN SENSITIZATION
Due to lack of data the classification is not possible.

GERM CELL MUTAGENICITY
Due to lack of data the classification is not possible.

CARCINOGENICITY
OSHA: TESTOSTERONE PROPIONATE is listed.
NTP: TESTOSTERONE PROPIONATE is not listed.
IARC: TESTOSTERONE PROPIONATE is listed in group 2a (probably carcinogenic to humans).
This product contains the following chemical known to the State of California to cause cancer: TESTOSTERONE PROPIONATE

**ADDITIONAL CARCINOGENICITY INFORMATION**

Probably carcinogenic to humans.

In humans receiving long-term therapy with high doses of androgens, there were rare cases of hepatocellular carcinomas. Studies in mice given subcutaneous implants of testosterone showed an increase in cervical-uterine tumors. This effect was not seen in mice and rats given subcutaneous injections of testosterone or in rats given subcutaneous implants. Testosterone is also known to increase the number of tumors and decrease the degree of differentiation of chemically induced carcinomas of the liver in rats.

**REPRODUCTIVE TOXICITY**

May damage fertility or the unborn child. Studies in humans have shown that androgens administered during pregnancy cause masculinization of the external genitalia of the female fetus; the degree of masculinization is dose related. In males, absent, low, or reduced sperm or sperm function resulting in possible infertility may occur during high-dose therapy with androgens. In females treated with androgens, the absence of menstruation may result, impairing fertility. Premature bone maturation and decreased birthweight have been reported with the use of anabolic steroids in humans.

**SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE**

Due to lack of data the classification is not possible.

**SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE**

Due to lack of data the classification is not possible.

**ASPIRATION HAZARDS**

Based on available data, the classification criteria are not met.

**SIGNS AND SYMPTOMS OF EXPOSURE**

Symptoms related to the physical, chemical, and toxicological characteristics:


Delayed and immediate effects of exposure:


Cross sensitivity:

Persons sensitive to one anabolic steroid or androgen may be sensitive to this material also.

Medical conditions aggravated by exposure:


**POTENTIAL HEALTH EFFECTS**

<table>
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<tr>
<th>Route</th>
<th>Effect</th>
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</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>May be harmful if inhaled. May cause respiratory tract irritation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>Skin</td>
<td>May be harmful if absorbed through skin. May cause skin irritation</td>
</tr>
<tr>
<td>Eyes</td>
<td>May cause eye irritation.</td>
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**SECTION 12: ECOLOGICAL INFORMATION**

**TOXICITY**

- LC50: 96 Hr: Fish: (mg/L): Not available
- IC50: 72 Hr: Algae: (mg/L): Not available
- EC50: 48 Hr: Daphnia magna: (mg/L): > 20.4

**PERSISTENCE AND DEGRADABILITY**

Biodegradable

**BIOACCUMULATIVE POTENTIAL**

LogPow: 2.84 (20°C)

**MOBILITY IN SOIL**

Water Solubility: 1.48 mg/L (25°C)

**OTHER ADVERSE EFFECTS**

This product is not intended to be released into the environment
SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL
Dispose of in accordance with federal / local laws and regulations. Avoid release into the environment.

SECTION 14: TRANSPORT INFORMATION

UNITED STATES & CANADA
UN PROPER SHIPPING NAME
Not dangerous good
UN NUMBER
Not applicable
CLASS
Not applicable
PACKING GROUP
Not applicable

AUSTRALIA
UN PROPER SHIPPING NAME
Not dangerous good
UN NUMBER
Not applicable
CLASS
Not applicable
PACKING GROUP
Not applicable
HAZCHEM
Not applicable

ENVIRONMENTAL HAZARDS
Not available
SPECIAL SHIPPING INFORMATION
Not applicable

SECTION 15: REGULATORY INFORMATION

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N/L = Not Listed; X = Listed

AUSTRALIAN REGULATIONS

<table>
<thead>
<tr>
<th>Chemical Name &amp; CAS</th>
<th>Poisons and Therapeutic Goods Regulation</th>
<th>Therapeutic Goods Act</th>
<th>Code of Practices - Illicit Drug Precursors</th>
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</thead>
<tbody>
<tr>
<td>TESTOSTERONE PROPIONATE, 57-85-2</td>
<td>Listed*</td>
<td>Listed as Schedule 4*</td>
<td>Not Listed</td>
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</table>

NOTES *Listed as the base

SECTION 16: OTHER INFORMATION

REFERENCES
Available upon request
ABBREVIATIONS AND ACRONYMS

CAS – Chemical Abstract Service; GHS – Global Harmonized System; OSHA PEL – Occupational Safety & Health Administration Permissible Exposure Limits; TWA – Time Weighted Average; HSIS – Hazardous Substances Information System; STEL – Short Term Exposure Limit; AIHA WEEL – American Industrial Hygiene Association Workplace Environment Exposure Levels; LD50 – Lethal Dose, 50%; IARC – International Agency for Research on Cancer; NTP – National Toxicology Program; WHMIS – Workplace Hazardous Materials Information System; SARA – Superfund Amendments and Reauthorization Act; EPA – Environmental Protection Agency; CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act; HMIS – Hazardous Materials Information System; NIOSH – National Institute for Occupational Safety and Health; MSHA - Mine Safety and Health Administration; ACGIH - American Conference of Governmental Industrial Hygienists; IDHL - Immediately Dangerous to Health or Life; TLV – Threshold Limit Value; HSE – Health and Safety Executive; REL - Recommended Exposure Limit

LAST REVISION

07/2016

SUPERSEDES

03/2015

DISCLAIMER

This document was created in accordance with OSHA, Safe Work Australia and WHMIS regulations. 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. MEDISCA® shall not be held liable for any damage resulting from handling or from contact with the above product. Recipients of the product must take responsibility for observing existing laws and regulations.