

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Testosterone enanthate  
 Product Number : T3006  
 Brand : Fluka  
 Company : Sigma-Aldrich Canada, Ltd  
 2149 Winston Park Drive  
 OAKVILLE ON L6H 6J8  
 CANADA  
 Telephone : +1 9058299500  
 Fax : +1 9058299292  
 Emergency Phone # : 800-424-9300

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Testosterone 17 $\beta$ -heptanoate  
 17 $\beta$ -Hydroxy-4-androsten-3-one 17-enanthate  
 4-Androsten-17 $\beta$ -ol-3-one 17-enanthate  
 Formula : C<sub>26</sub>H<sub>40</sub>O<sub>3</sub>  
 Molecular Weight : 400.59 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
<b>Testosterone enantate</b>			
315-37-7	206-253-5	-	-

## 3. HAZARDS IDENTIFICATION

## Emergency Overview

## Target Organs

Reproductive system., Liver

## WHMIS Classification

D2A Very Toxic Material Causing Other Toxic Effects  
 Teratogen  
 Carcinogen  
 Reproductive hazard

## HMIS Classification

Health Hazard: 1  
 Chronic Health Hazard: \*  
 Flammability: 0  
 Physical hazards: 0

## Potential Health Effects

Fluka - T3006

Sigma-Aldrich Corporation  
www.sigma-aldrich.com

Page 1 of 5

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.  
**Skin** May be harmful if absorbed through skin. May cause skin irritation.  
**Eyes** May cause eye irritation.  
**Ingestion** Harmful if swallowed.

## 4. FIRST AID MEASURES

## General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

## If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

## In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

## In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

## If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## 5. FIRE-FIGHTING MEASURES

## Flammable properties

Flash point no data available

Ignition temperature no data available

## Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

## Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

## Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

## Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## Methods for cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

## Handling

Avoid exposure - obtain special instructions before use. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

## Storage

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

Fluka - T3006

Sigma-Aldrich Corporation  
www.sigma-aldrich.com

Page 2 of 5

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

## Personal protective equipment

## Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Hand protection

Handle with gloves.

## Eye protection

Safety glasses

## Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

## Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## Appearance

Form solid

## Safety data

pH no data available

Melting point no data available

Boiling point no data available

Flash point no data available

Ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit no data available

Water solubility no data available

## 10. STABILITY AND REACTIVITY

## Storage stability

Stable under recommended storage conditions.

## Materials to avoid

Strong oxidizing agents

## Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

## 11. TOXICOLOGICAL INFORMATION

Fluka - T3006

Sigma-Aldrich Corporation  
www.sigma-aldrich.com

Page 3 of 5

## Acute toxicity

LD50 Oral - rat - > 1,000 mg/kg

## Irritation and corrosion

no data available

## Sensitisation

no data available

## Chronic exposure

This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.

IARC: Group 2A - Probably carcinogenic to humans (Testosterone enantate)

Possible risk of congenital malformation in the fetus.

Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

## Signs and Symptoms of Exposure

Electrolyte imbalance., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated., Exposure to testosterone and its esters during pregnancy causes masculinization of the fetus.

## Potential Health Effects

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.  
**Skin** May be harmful if absorbed through skin. May cause skin irritation.  
**Eyes** May cause eye irritation.  
**Ingestion** Harmful if swallowed.  
**Target Organs** Reproductive system., Liver,

## Additional Information

RTECS: XA3080000

## 12. ECOLOGICAL INFORMATION

## Elimination information (persistence and degradability)

no data available

## Ecotoxicity effects

no data available

## Further information on ecology

no data available

## 13. DISPOSAL CONSIDERATIONS

## Product

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

## Contaminated packaging

Dispose of as unused product.

Fluka - T3006

Sigma-Aldrich Corporation  
www.sigma-aldrich.com

Page 4 of 5

## 14. TRANSPORT INFORMATION

## DOT (US)

Not dangerous goods

## IMDG

Not dangerous goods

## IATA

Not dangerous goods

## 15. REGULATORY INFORMATION

## DSL Status

All components of this product are on the Canadian DSL list.

## WHMIS Classification

D2A Very Toxic Material Causing Other Toxic Effects  
 Teratogen  
 Carcinogen  
 Reproductive hazard

## 16. OTHER INFORMATION

## Further information

Copyright 2008 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only. 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. Sigma-Aldrich Co., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Fluka - T3006

Sigma-Aldrich Corporation  
www.sigma-aldrich.com

Page 5 of 5