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Personal Protection	E

Material Safety Data Sheet Fluoxymesterone MSDS

Section 1: Chemical Product and Company Identification

Product Name: Fluoxymesterone

Catalog Codes: SLF1450

CAS#: 76-43-7

RTECS: BV8390000

TSCA: TSCA 8(b) inventory: No products were found.

CI#: Not available.

Synonym: 11-beta-17-beta-Dihydroxy-9-alpha-fluoro-17-methyl-4-androster-3-one; 17-alpha-Methyl-9-alpha-fluoro-11-beta-hydroxyterterone; 9-alpha-Fluoro-11-beta,17-beta-dihydroxy-17-alpha-methyl-4-androstene-3-one; 9-alpha-Fluoro-11-beta-hydroxy-17-methyltestosterone; 9-alpha-Fluoro-17--alpha-methyl-11-beta,17-dihydroxy-4-adrosten-3-one; 9-Fluoro-11-beta,17-beta-dihydroxy-17-methylandro-4-en-3-one; Androfluorene; Androfluorone; Androst-4-ene-3-one,9-fluoro-11,17-dihydroxy-17-methyl-, (11-beta,17-beta)-; Fluotestin; Fluoximesterone; Fluoxymestrone; Oratestin; Halotestin; Oralsterone; Testoral; Ultandren; Ultandrene.

Chemical Name: Androst-4-ene-3-one, 9-fluoro-11-beta, 17-beta-dihydroxy-17-methyl-

Chemical Formula: C₂₀H₂₉F-O₃

Contact Information:

Sciencelab.com, Inc.

14025 Smith Rd.

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International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:

1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Fluoxymesterone	76-43-7	100

Toxicological Data on Ingredients: Fluoxymesterone LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [SUSPECTED]. The substance may be toxic to the reproductive system, liver. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures**Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO₂), halogenated compounds.

Fire Hazards in Presence of Various Substances:

Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:

Slightly explosive in presence of open flames and sparks. Non-explosive in presence of shocks.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: As with most organic solids, fire is possible at elevated temperatures

Special Remarks on Explosion Hazards:

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Section 6: Accidental Release Measures**Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage**Precautions:**

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible.

Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area. Sensitive to light. Store in light-resistant containers.

Section 8: Exposure Controls/Personal Protection**Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Solid crystalline powder.)

Odor: Odorless.

Taste: Tasteless.

Molecular Weight: 336.45 g/mole

Color: White.

pH (1% soln/water): Not applicable.

Boiling Point: Not available.

Melting Point:

Decomposition temperature: At 240°C (464°F) it melts and begins to decompose. At 270 C it completely decomposes.

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: The product is more soluble in oil; $\log(\text{oil/water}) = 2.4$

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:

Very slightly or sparingly soluble in methanol.. Insoluble in cold water, diethyl ether. Soluble in alcohol, pyridine, Slightly soluble in chloroform, acetone. Practically insoluble in benzene, hexanes.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, dust generation, incompatible materials, light.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Sensitive to light.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:

LD50: Not available. LC50: Not available.

Chronic Effects on Humans:

DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [SUSPECTED]. May cause damage to the following organs: the reproductive system, liver.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals:

Lethal Dose/Conc 50% Kill: LD50 [Mouse] - Route: Intraperitoneal; Dose: 2350 mg/kg

Special Remarks on Chronic Effects on Humans:

May cause adverse reproductive effects and birth defects (teratogenic). May affect genetic material (mutagenic)

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: May cause eye irritation. Inhalation: May cause respiratory tract irritation. Ingestion: May cause upset stomach, nausea, vomiting, diarrhea, bad breath odor, thirst, weight gain, tenderness of the abdomen, abdominal or stomach pain, purple or red spots on the body or inside the mouth or nose, frequent need to pass urine, changes in skin color (yellow skin color caused by liver problems (e.g jaundice, hepatitis,)), edema or fluid retention (swelling of hands, ankles or feet), tingling, prickling, burning, or tight sensations, skin rash, itching, hives, changes in sexual desire, and other signs of liver problems such as, alterations in liver function tests, dark and frothy urine, white or clay colored stools. It may also affect behavior/central nervous system (headache, mood changes, anxiety, nervousness, depression,). For females: deepening of the voice, clitoral growth, scalp hair loss, acne, absence or changes in menstrual periods, or growth of facial hair. For males: frequent or persistent erections, decreased sperm production, inhibition of testicular function, difficulty urinating, or acne. Sugar control may be affected in diabetics. It may also cause increased blood cholesterol, and increased blood calcium. Chronic Potential Health Effects: Ingestion/Inhalation: Prolonged or repeated ingestion or inhalation may cause hypersensitivity, with skin manifestations (dermatitis) and anaphylactoid reactions. Prolonged or repeated ingestion may also affect the liver, endocrine system (adrenal cortex hypoplasia, changes in thymus weight), blood (changes in white blood cell count), and cause adverse reproductive effects and birth defects.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Fluoxymesterone

California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Fluoxymesterone

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not available.

DSCL (EEC):

R60- May impair fertility. R63- Possible risk of harm to the unborn child. S22- Do not breathe dust. S36- Wear suitable protective clothing.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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