

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : 19-Hydroxy-4-androstene-3,17-dione
 Product Number : 54518
 Brand : Fluka
 Company : Sigma-Aldrich Canada, Ltd
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 4-Androstene-3,17-dione-19-ol
 4-Androsten-19-ol-3,17-dione

Formula : C₁₉H₂₈O₃
 Molecular Weight : 302.41 g/mol

| CAS-No. | EC-No. | Index-No. | Concentration |
|---|-----------|-----------|---------------|
| 19-Hydroxyandrost-4-ene-3,17-dione | | | |
| 510-64-5 | 208-116-5 | - | - |

3. HAZARDS IDENTIFICATION

WHMIS Classification
 Not WHMIS controlled. Not WHMIS controlled.

HMIS Classification
Health Hazard: 0
Chronic Health Hazard: *
Flammability: 0
Physical hazards: 0

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 : May be harmful if swallowed.

4. FIRST AID MEASURES

Fluka - 54518 Sigma-Aldrich Corporation
 www.sigma-aldrich.com Page 1 of 9

General advice

Move out of dangerous area.

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

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

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**

Avoid dust formation.

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE**Handling**

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment**Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. 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

Fluka - 54518 Sigma-Aldrich Corporation
 www.sigma-aldrich.com Page 2 of 9

Hygiene measures

General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form : crystalline
 Colour : beige

Safety data

pH : no data available
 Melting point : 168 - 169 °C (334 - 336 °F)
 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 acids, Strong bases

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

Some steroids show carcinogenic and teratogenic activity.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Some steroids show carcinogenic and teratogenic activity.

Signs and Symptoms of Exposure

Fluka - 54518 Sigma-Aldrich Corporation
 www.sigma-aldrich.com Page 3 of 9

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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.

14. TRANSPORT INFORMATION**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION**DSL Status**

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

| | |
|------------------------------------|---------------------|
| 19-Hydroxyandrost-4-ene-3,17-dione | CAS-No. 510-64-5 |
|------------------------------------|---------------------|

WHMIS Classification

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16. OTHER INFORMATION**Further information**

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Fluka - 54518 Sigma-Aldrich Corporation
 www.sigma-aldrich.com Page 4 of 9

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 - 54518 Sigma-Aldrich Corporation
 www.sigma-aldrich.com Page 5 of 9