

## Safety Data Sheet

---

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifiers

Product Name: 5 $\alpha$ -Androstan-3 $\beta$ ,17 $\alpha$ -diol

CAS No.: 5856-11-1

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

Identified uses: Laboratory chemicals, Manufacture of substances. For scientific research and development only. Not for use in humans or animals.

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

Brand: MuseChem

Company: ArrakisTek Inc.

#### 1.4 Emergency telephone number

Telephone: +1-862-686-3898

Fax: +1-323-978-5598

E-mail address: [info@musechem.com](mailto:info@musechem.com)

Revision date: 09/21/2019

---

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

No data available

#### 2.2 GHS Label elements, including precautionary statements

**Pictogram(s)** No data available

**Signal word** No data available

**Hazard statement(s)** No data available

**Precautionary statement(s)**

**Prevention** No data available

**Response** No data available

**Storage** No data available

**Disposal** No data available

#### 2.3 Other hazards which do not result in classification

No data available

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Chemical Name: 5 $\alpha$ -Androstan-3 $\beta$ ,17 $\alpha$ -diol

Common names and synonyms: 5 $\alpha$ -Androstan-3 $\beta$ ,17 $\alpha$ -diol

CAS number: 5856-11-1

---

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### **If inhaled**

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

##### **Following skin contact**

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

##### **Following eye contact**

Rinse with pure water for at least 15 minutes. Consult a doctor.

##### **Following ingestion**

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

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

No data available

#### 4.3 Indication of any immediate medical attention and special treatment needed, if necessary

No data available

---

### 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media

##### **Suitable extinguishing media**

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

#### 5.2 Special hazards arising from the chemical

No data available

#### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

---

### 6. ACCIDENTAL RELEASE MEASURES

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

Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

#### 6.2 Environmental precautions

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

#### 6.3 Methods and materials for containment and cleaning up

Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

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

Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational Exposure limit values

No data available

#### Biological limit values

No data available

### 8.2 Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).

#### Skin protection

Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

#### Thermal hazards

No data available

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- |   |                   |
|---|-------------------|
| a) Physical state   | No data available |
| b) Colour   | No data available |
| c) Odour  | No data available |
| d) Melting point/freezing point                             | No data available |
| e) Boiling point or initial boiling point and boiling range | No data available |
| f) Flammability   | No data available |
| g) Lower and upper explosion                                | No data available |

limit / flammability limit

h) Flash point	No data available
i) Auto-ignition temperature	No data available
j) Decomposition temperature	No data available
k) PH	No data available
l) Kinematic viscosity	No data available
m) Solubility	No data available
n) Partition coefficient n-octanol/water	No data available
o) Vapour pressure	No data available
p) Density and/or relative density	No data available
q) Relative vapour density	No data available
r) Particle characteristics	No data available

---

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

No data available

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

No data available

---

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

Oral: no data available

Inhalation: no data available

Dermal: no data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/eye irritation

No data available

#### Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

---

**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

Toxicity to fish: no data available

Toxicity to daphnia and other aquatic invertebrates: no data available

Toxicity to algae: no data available

Toxicity to microorganisms: no data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Other adverse effects**

No data available

---

**13. DISPOSAL CONSIDERATIONS**

**13.1 Disposal methods**

**Product**

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

**Contaminated packaging**

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning.

Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

---

**14. TRANSPORT INFORMATION**

**14.1 UN Number**

ADR/RID: no data available

IMDG: no data available

IATA: no data available

**14.2 UN Proper Shipping Name**

ADR/RID: no data available      IMDG: no data available      IATA: no data available

**14.3 Transport hazard class(es)**

ADR/RID: no data available      IMDG: no data available      IATA: no data available

**14.4 Packing group, if applicable**

ADR/RID: no data available      IMDG: no data available      IATA: no data available

**14.5 Environmental hazards**

ADR/RID: NO      IMDG: No      IATA: No

**14.6 Special precautions for user**

No data available

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No data available

**15. REGULATORY INFORMATION**

Chemical name	Common names and synonyms	CAS number	EC number
5 $\alpha$ -Androstan-3 $\beta$ ,17 $\alpha$ -diol	5 $\alpha$ -Androstan-3 $\beta$ ,17 $\alpha$ -diol	5856-11-1	-
European Inventory of Existing Commercial Chemical Substances (EINECS)			Not Listed.
EC Inventory			Not Listed.
United States Toxic Substances Control Act (TSCA) Inventory			Not Listed.
China Catalog of Hazardous chemicals 2015			Not Listed.
New Zealand Inventory of Chemicals (NZIoC)			Not Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS)			Not Listed.
Vietnam National Chemical Inventory			Not Listed.
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)			Not Listed.
Korea Existing Chemicals List (KECL)			Not Listed.

**16. OTHER INFORMATION**

**Further information**

Copyright 2017 MuseChem 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. MuseChem and its Affiliates 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.