

Steraloids, Inc.

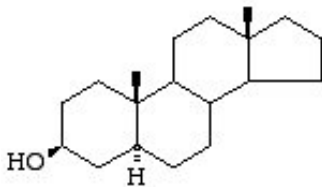
Safety Data Sheet

Version 4.7
Revision Date 05/11/2016
Print Date 03/27/2017

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name: **5 α -androstan-3 β -ol**
Product Number: **A2180-000**
Brand: Steraloids
CAS-No.: **1224-92-6**



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

Identified uses : Laboratory chemicals, synthesis of substances

1.3 Details of the supplier of the safety data sheet

Company: Steraloids Inc.
PO Box 689 Newport RI 02840
Telephone: +1 401 848 5422
Fax: +1 401 848 5638

1.4 Emergency telephone number

Emergency Phone #: 703-527-3887 (CHEMTREC)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin irritation (Category 2), H315.

Eye irritation (Category 2A), H319.

Specific target organ toxicity: single exposure (Category 3), respiratory system, H335.

For the full text of the H-Statements mentioned in this section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Signal word Warning

Hazard statement(s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statement(s)

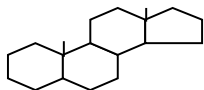
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.



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P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P321 Specific treatment (see supplemental first aid instructions on this label).

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - None
“Our products are Non-Hazardous Research Standards”.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms: **3 β -hydroxy-5 α -androstane**

Formula: **C₁₉ H₃₂ O**

Molecular weight: **276.46**

CAS-No.: **1224-92-6**

EC-No.:

Hazardous components

Component Classification Concentration

5 α -androstan-3 β -ol

Skin Irritant 2; Eye Irritant 2A

STOT SE 3; H315, H319, H335 <= 100 %

For the full text of the H-Statements mentioned in this section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of 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.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see Section 2.2) and/or in Section 11.

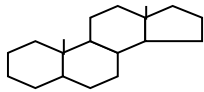
4.3 Indication of any immediate medical attention and special treatment needed: No data available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

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



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5.2 Special hazards arising from the substance or mixture: No data available.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information: No data available.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see Section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

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

6.4 Reference to other sections: For disposal see Section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see Section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end use(s):

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

Material: Nitrile rubber - Minimum layer thickness: 0.11 mm - Break through time: 480 min

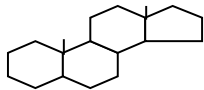
Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M).

Splash contact

Material: Nitrile rubber - Minimum layer thickness: 0.11 mm - Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M).

Data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de



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Test method: EN374. If used in solution, or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance form: **powder**.

Color: **batch specific**.

b) Odor: no data available.

c) Odor threshold: no data available.

d) PH: no data available.

e) Melting point / freezing point: Melting point/range: **150-152°C (302-305.6°F) - lit.**

f) Initial boiling point and boiling range: no data available.

g) Flash point: no data available.

h) Evaporation rate: no data available.

i) Flammability (solid, gas): no data available.

j) Upper/lower flammability or explosive limits: no data available.

k) Vapor pressure: no data available.

l) Vapor density: no data available.

m) Relative density: no data available.

n) Water solubility: no data available.

o) Partition coefficient: noctanol / water. No data available.

p) Auto-ignition temperature: no data available.

q) Decomposition temperature: no data available.

r) Viscosity: no data available.

s) Explosive properties: no data available.

t) Oxidizing properties: no data available.

9.2 Other safety information: no data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity: no data available.

10.2 Chemical stability: stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: no data available.

10.4 Conditions to avoid: no data available.

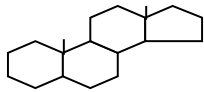
10.5 Incompatible materials: strong oxidizing agents.

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions: carbon oxides.

Other decomposition products: no data available.

In the event of fire: see Section 5.



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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: LD50 Oral - Rat - > 10,000 mg/kg. Dermal: no data available.

Skin corrosion / irritation: no data available.

Serious eye damage / eye irritation: no data available.

Respiratory or skin sensitization: no data available.

Germ cell mutagenicity: no data available.

Carcinogenicity

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.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available.

Specific target organ toxicity - single exposure inhalation: may cause respiratory irritation.

Specific target organ toxicity - repeated exposure: no data available.

Aspiration hazard: no data available.

Additional Information: RTECS: BV8396000.

Electrolyte imbalance. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity: 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 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required / not conducted.

12.6 Other adverse effects: no data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

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

SARA 302 Components

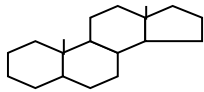
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: acute health hazard.

Massachusetts Right To Know Components



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No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

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New Jersey Right To Know Components

5 α -androstan-3 β -ol

CAS No#: **1224-92-6**

Revision Date:

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Full text of H-Statements referred to under Sections 2 and 3.

Eye Irritant. Eye irritation.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Skin Irritant. Skin irritation.

STOT SE Specific target organ toxicity: single exposure.

HMIS Rating

Health hazard: 2

Chronic health hazard:

Flammability: 0

Physical hazard: 0

NFPA Rating

Health hazard: 2

Fire hazard: 0

Reactivity hazard: 0

Further information

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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 Steraloids and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.steraloids.com and / or the invoice or packing slip for additional terms and conditions of sale.

Preparation Information

Steraloids Inc.

1-401-848 5422

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