

5 β -Pregnane-3 α ,20 α -diol: sc-210427



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 5 β -Pregnane-3 α ,20 α -diol
Product Number: sc-210427
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards

Not classifiable

GHS Label elements, including precautionary statements

None

Hazard statement(s)

None

Precautionary statement(s)

None

Supplimentary Information

While this material is not classified as hazardous under OSHA, this SDS contains valuable information critical to safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Pregnanediol
Formula: C₂₁H₃₆O₂
Molecular weight: 320.51
CAS #: 80-92-2

4. FIRST AID MEASURES

If inhaled

Move victim to fresh air. Call emergency medical service. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

In case of skin contact

Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

In case of eye contact

Move victim to fresh air. Check for and remove any contact lenses. In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. Keep victim warm and quiet. Treat symptomatically and supportively. Effects of exposure to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

If swallowed

If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth. Keep victim warm and quiet. Loosen tight clothing such as a collar, tie, belt or waistband. If swallowed, seek medical advice immediately and show the container or label. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Effects of exposure (ingestion) to substance may be delayed.

Symptoms/Effects

Acute : No data available

Delayed: No data available

Immediate medical attention

If breathing has stopped, perform artificial respiration. Use first aid treatment according to the nature of the injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

5. FIREFIGHTING MEASURES**Suitable extinguishing media**

Dry chemical, CO₂, water spray, or alcohol-resistant foam. Consult with local fire authorities before attempting large scale fire fighting operations.

Hazardous combustion products

These products include: Carbon oxides

Other specific hazards

Closed containers may explode from heat of a fire.

Special precautions for firefighters

Use water spray or fog; do not use straight streams. Dike fire-control water for later disposal; do not scatter the material. Containers may explode when heated. Move containers from fire area if you can do it without risk.

Special protective equipment for fire-fighters

Structural fire fighters' protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (Section 8).

Personal protective equipment

Wear protective clothing, gloves and eye protection.

Emergency procedures

In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution.

Methods and materials for containment and cleaning up

Dike far ahead of liquid spill for later disposal.

Environmental precautions

Prevent entry into sewers, basements or confined areas.

7. HANDLING AND STORAGE**Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature.

Storage incompatibilities

Store away from oxidizing agents

8. EXPOSURE CONTROL/PERSONAL PROTECTION**Exposure limits**

No data available

Engineering controls

Good general ventilation should be sufficient to control airborne levels. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical..

Personal protective equipment

Respiratory protection

Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Hand protection

Wear protective gloves.

Skin and body protection

Lab coat.

Eye protection

Safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	solid	pH	no data available
Melting point/freezing point	no data available	Boiling point	no data available
Flash point	no data available	Ignition temperature	no data available
Autoignition temperature	no data available	Lower explosion limit	no data available
Explosion limits	no data available	Vapor pressure	no data available
Relative Density	no data available	Solubility	Ethanol
Relative vapor density	no data available	Odor	no data available
Odor Threshold	no data available	Evaporation rate	no data available
Decomposition temperature	no data available	Kinematic Viscosity	no data available
Partition coefficient	no data available	Dynamic Viscosity	no data available
n-octanol/water			

10. STABILITY AND REACTIVITY

Chemical reactivity

no data available

Chemical stability

Stable under recommended storage conditions

Materials to avoid

Oxidizing agents

Conditions to avoid

Avoid excessive light and heat

Hazardous decomposition products

No hazardous reactivity has been reported

11. TOXICOLOGICAL INFORMATION

RTECS: TU4157113

Acute toxicity

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 data available

NTP: No data available

OSHA: No data available

Reproductive toxicity

no data available

Routes of exposure

Inhalation, eye contact, ingestion

Signs and Symptoms of Exposure

No specific information is available in our data base regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.

Potential health effects

No specific information available; skin and eye contact may result in irritation. May be harmful if inhaled or ingested.

Target organs

No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Fish: No data available

Crustacea: No data available

Algae: No data available

Persistence and degradability

No data available

Bioaccumulative potential (BCF)

No data available

Mobility in soil

No data available

Soil adsorption (Koc)

No data available

Henry's Law constant (PaM3/mol)

No data available

13. DISPOSAL CONSIDERATIONS

Product

Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains, water ways, or the soil. Observe all federal, state and local regulations when disposing of the substance.

Contaminated packaging

Dispose of as unused product. Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA 8b.):

This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list:

(i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec.

(ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on a SDS sheet.

US Federal Regulations

CERCLA Hazardous substance and Reportable Quantity:

SARA 313: Not Listed
SARA 302: Not Listed

State Regulations

State Right-to-Know

Massachusetts Not Listed
New Jersey Not Listed
Pennsylvania Not Listed
California Proposition 65 Not Listed

HMIS Classification

Health hazard: 1
Flammability: 0
Physical hazards: 0

NFPA Rating

Health hazard: 1
Fire: 0
Reactivity Hazard: 0

International Inventories

WHMIS hazard class: No data available.

EC-No: 201-313-7

Notice Through Official Gazettes Reference Number: (Japan)

ENCS: (9)-2155

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

07/11/2014