1. PRODUCT AND COMPANY IDENTIFICATION

Product Name
Ethynodiol diacetate

Product Code
SC-235100

Recommended use
For research use only. Not intended for diagnostic or therapeutic use.

Company
Santa Cruz Biotechnology, Inc.
10410 Finnell Street
Dallas, TX 75220
831.457.3800
800.457.3801
scbt@scbt.com

2. HAZARDS IDENTIFICATION

Emergency Overview
The product contains no substances which at their given concentration, are considered to be hazardous to health

OSHA Regulatory Status
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Potential health effects
Eyes
May cause irritation.

Skin
May be harmful in contact with skin.

Inhalation
May be harmful if inhaled.

Ingestion
May be harmful if swallowed.

Chronic Toxicity
No known effect.

Hazards not otherwise classified (HNOC)
Hazards not otherwise classified (HNOC) Not applicable

Environmental Hazard
See Section 12: ECOLOGICAL INFORMATION.

NFPA
Health hazards 2
Flammability 0
Stability 0
Physical and chemical properties -

HMIS
Flammability 0
Physical hazards 0
Personal protection -

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Name
Ethynodiol diacetate

Molecular Weight
384.51

Formula
C_{24}H_{32}O_{4}
4. FIRST AID MEASURES

General advice
Consult a physician if necessary. Remove to fresh air.

Eye contact
Wash with plenty of water.

Skin Contact
Wash off immediately with soap and plenty of water.

Inhalation
Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

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

Note to physicians
Treat symptomatically.

Self-protection of the first aider
Avoid contact with skin, eyes or clothing.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical, CO2, water spray or alcohol-resistant foam.

Specific hazards arising from the chemical
- Flammable properties: Not determined.
- Flash point °C: No information available
- Hazardous combustion products: Carbon oxides.

Explosion data
- Sensitivity to Mechanical Impact: No information available.
- Sensitivity to Static Discharge: No information available.

Protective equipment and precautions for firefighters
Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Ensure adequate ventilation, especially in confined areas.

Environmental precautions
See Section 12 for additional Ecological Information.

Methods for containment
Prevent further leakage or spillage if safe to do so. Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

Methods for cleaning up

7. HANDLING AND STORAGE

Advice on safe handling
Handle in accordance with good industrial hygiene and safety practice.

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls
Engineering Controls
Showers
Eyewash stations
Ventilation systems

Personal protective equipment (PPE)
Eye/face protection
Wear safety glasses with side shields (or goggles).

Skin and Body Protection
Wear protective gloves and protective clothing.
Respiratory protection  
Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations  
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
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<tr>
<td>Oxidizing properties</td>
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</table>

10. STABILITY AND REACTIVITY

Reactivity  
Not applicable

Stability  
Stable under recommended storage conditions.

Incompatible materials  
Incompatible with oxidizing agents.

Conditions to avoid  
Heat, flames and sparks. Extremes of temperature and direct sunlight.

Hazardous Decomposition Products  
Carbon oxides.

Hazardous polymerization  
Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity  
Product does not present an acute toxicity hazard based on known or supplied information.

Chronic Toxicity  
Carcinogenicity  
The table below indicates whether each agency has listed any ingredient as a carcinogen.

Target Organ Effects  
None known.

IARC (International Agency for Research on Cancer) Group 2B - Possibly Carcinogenic to Humans
OSHA (Occupational Safety and Health Administration of the US Department of Labor) X - Present

12. ECOLOGICAL INFORMATION

Ecotoxicity  
The environmental impact of this product has not been fully investigated.
**13. DISPOSAL CONSIDERATIONS**

Disposal considerations
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging
Do not reuse container.

**14. TRANSPORT INFORMATION**

DOT
Not regulated

IATA
Not regulated

IMDG
Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**
All of the components in the product are on the following Inventory lists
- Canada (DSL/NDSL) Europe (EINECS/ELINCS/NLP)
- Australia (AICS)

**X - Listed**
- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances

**US Federal Regulations**

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**
- Acute health hazard: No
- Chronic Health Hazard: No
- Fire hazard: No
- Sudden release of pressure hazard: No
- Reactive hazard: No

**CWA (Clean Water Act)**
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**US State Regulations**

**California Proposition 65**
This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**
Mexico Regulatory Information

Canada Regulatory Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

- D2A - Very toxic materials
- Non-controlled

16. OTHER INFORMATION

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Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet