Section 1 - Product and Company Information

Product Name: 5-CHOLESTEN-3B-OL-7-ONE  
Product Number: C2394  
Brand: SIGMA  
Company: Sigma-Aldrich Canada, Ltd  
Street Address: 2149 Winston Park Drive  
City, State, Zip, Country: Oakville ON L6H 6J8 CA  
Technical Phone: 905-829-9500  
Emergency Phone: 800-424-9300  
Fax: 905-829-9292

Section 2 - Composition/Information onIngredient

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>CAS #</th>
<th>SARA 313</th>
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<tr>
<td>5-CHOLESTEN-3B-OL-7-ONE</td>
<td>566-28-9</td>
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</table>

Formula: C27H44O2  
Synonyms: Cholest-5-en-7-one, 3-hydroxy-, (3-beta)- (9CI) *  
Cholest-5-en-7-one, 3-beta-hydroxy- (8CI) *  
3-beta-Hydroxycholest-5-en-7-one *  
7-Ketocholesterol * 7-Oxocholesterol * SC 4722  
RTECS Number: FZ8708000

Section 3 - Hazards Identification

HMIS RATING  
HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0

NFPA RATING  
HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

ORAL EXPOSURE  
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE  
If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE  
In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.
Call a physician.

**EYE EXPOSURE**
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

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**Section 5 - Fire Fighting Measures**

**FLASH POINT**
N/A

**AUTOIGNITION TEMP**
N/A

**FLAMMABILITY**
N/A

**EXTINGUISHING MEDIA**
Suitable: Carbon dioxide, dry chemical powder, or appropriate foam.

**FIREFIGHTING**
Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

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**Section 6 - Accidental Release Measures**

**PROCEDURE(S) OF PERSONAL PRECAUTION(S)**
Wear protective equipment.

**METHODS FOR CLEANING UP**
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

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**Section 7 - Handling and Storage**

**HANDLING**
User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

**STORAGE**
Suitable: Keep tightly closed.

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**Section 8 - Exposure Controls / PPE**

**ENGINEERING CONTROLS**
Mechanical exhaust required.

**PERSONAL PROTECTIVE EQUIPMENT**
Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

**GENERAL HYGIENE MEASURES**
Wash thoroughly after handling.

---

**Section 9 - Physical/Chemical Properties**

**Appearance**
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<th>Property</th>
<th>Value</th>
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<tr>
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<td>Solubility</td>
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</table>

N/A = not available

**Section 10 - Stability and Reactivity**

**STABILITY**

Stable: Stable.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

**HAZARDOUS POLYMERIZATION**

Hazardous Polymerization: Will not occur

**Section 11 - Toxicological Information**

**ROUTE OF EXPOSURE**

Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption. May cause irritation.

**SIGNS AND SYMPTOMS OF EXPOSURE**

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

**CONDITIONS AGGRAVATED BY EXPOSURE**

The toxicological properties have not been thoroughly investigated.

**CHRONIC EXPOSURE - CARCINOGEN**

Species: Mouse
Route of Application: Subcutaneous
Dose: 750 MG/KG
Exposure Time: 9W
Frequency: I
Result: Tumorigenic:Carcinogenic by RTECS criteria.
Tumorigenic:Tumors at site or application.

CHRONIC EXPOSURE - MUTAGEN

Species: Hamster
Dose: 25 UMOL/L
Cell Type: lung
Mutation test: DNA inhibition

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT
Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA
Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

UNITED STATES REGULATORY INFORMATION
SARA LISTED: No

CANADA REGULATORY INFORMATION
WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: No
NDSL: No

Section 16 - Other Information

DISCLAIMER
For R&D use only. Not for drug, household or other uses.

WARRANTY
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 Inc., shall not be held liable for any damage resulting from handling or