Section 1 - Product and Company Information

<table>
<thead>
<tr>
<th>Product Name</th>
<th>2-METHOXYESTRONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Number</td>
<td>M6379</td>
</tr>
<tr>
<td>Brand</td>
<td>SIGMA</td>
</tr>
<tr>
<td>Company</td>
<td>Sigma-Aldrich Canada, Ltd</td>
</tr>
<tr>
<td>Street Address</td>
<td>2149 Winston Park Drive</td>
</tr>
<tr>
<td>City, State, Zip, Country</td>
<td>Oakville ON L6H 6J8 CA</td>
</tr>
<tr>
<td>Technical Phone:</td>
<td>9058299500</td>
</tr>
<tr>
<td>Emergency Phone:</td>
<td>800-424-9300</td>
</tr>
<tr>
<td>Fax:</td>
<td>9058299292</td>
</tr>
</tbody>
</table>

Section 2 - Composition/Information on Ingredient

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>CAS #</th>
<th>SARA 313</th>
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<tbody>
<tr>
<td>2-METHOXYESTRONE</td>
<td>362-08-3</td>
<td>No</td>
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</tbody>
</table>

Formula C19H24O3

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
- Harmful.
- Limited evidence of a carcinogenic effect.
- Possible carcinogen. Possible mutagen.

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.

Section 5 - Fire Fighting Measures

FLASH POINT
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.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s)
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

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.

Section 7 - Handling and Storage

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.

Section 9 - Physical/Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>At Temperature or Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Weight</td>
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</tr>
<tr>
<td>pH</td>
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<td></td>
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<tr>
<td>BP/BP Range</td>
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<td></td>
</tr>
<tr>
<td>MP/MP Range</td>
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<tr>
<td>Freezing Point</td>
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<tr>
<td>Vapor Pressure</td>
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<tr>
<td>Vapor Density</td>
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<td>Saturated Vapor Conc.</td>
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<tr>
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<td>Bulk Density</td>
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<td>Odor Threshold</td>
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<tr>
<td>Volatile%</td>
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</tr>
<tr>
<td>VOC Content</td>
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<td></td>
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<tr>
<td>Water Content</td>
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<td></td>
</tr>
<tr>
<td>Solvent Content</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>
Evaporation Rate        N/A  
Viscosity               N/A  
Surface Tension         N/A  
Partition Coefficient   N/A  
Decomposition Temp.     N/A  
Flash Point             N/A  
 Explosion Limits       N/A  
 Flammability            N/A  
 Autoignition Temp       N/A  
 Refractive Index        N/A  
 Optical Rotation        N/A  
 Miscellaneous Data      N/A  
 Solubility              N/A  

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.

CONDITIONS AGGRAVATED BY EXPOSURE
The toxicological properties have not been thoroughly investigated.

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
EU ADDITIONAL CLASSIFICATION
Symbol of Danger: Xn
Indication of Danger: Harmful.
R: 40
Risk Statements: Limited evidence of a carcinogenic effect.
S: 22 36
Safety Statements: Do not breathe dust. Wear suitable protective clothing.

US CLASSIFICATION AND LABEL TEXT
Indication of Danger: Harmful.
Risk Statements: Limited evidence of a carcinogenic effect.
Safety Statements: Wear suitable protective clothing. Do not breathe dust.
US Statements: Possible carcinogen. Possible mutagen.

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 from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.
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