1. Identification of the Substance/Mixture and of the Company/Undertaking

Product Code: 10006317  
Product Name: Mifepristone  
Synonyms: 11.beta.-[4-(dimethylamino)phenyl]-17.beta.-hydroxy-17-(1-propynyl)-estra-4,9-dien-3-one; RU-486;  
Intended Use: For research use only, not for human or veterinary use.

Manufacturer Information

Company Name: Cayman Chemical Company  
Emergency Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300  
Alternate Emergency Contact: CHEMTREC Outside USA and Canada: +1 (703)527-3887  
Information: Cayman Chemical Company +1 (734)971-3335  
Web site address: www.caymanchem.com

2. Hazards Identification

<table>
<thead>
<tr>
<th>GHS Classification</th>
<th>Placard</th>
<th>Key word</th>
<th>GHS Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxic To Reproduction, Category 1B</td>
<td>Health hazard</td>
<td>Danger</td>
<td>May damage fertility or the unborn child</td>
</tr>
</tbody>
</table>

GHS Hazard Phrases:  
H360: May damage fertility or the unborn child.

GHS Precaution Phrases:  
P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P281: Use personal protective equipment as required.

GHS Response Phrases:  
P308+313: IF exposed or concerned: Get medical attention/advice.

GHS Storage and Disposal Phrases:  
Please refer to Section 7 for Storage and Section 13 for Disposal information.

Route(s) of Entry:  
Inhalation? Yes  
Skin? Yes  
Eyes? Yes  
Ingestion? Yes  
Other: Injection

Potential Health Effects (Acute and Chronic):  
Abortifacient.  
Fetotoxicity; Presumed human reproductive toxicant.  
Material may be irritating to the mucous membranes and upper respiratory tract.  
May be harmful by inhalation, ingestion, or skin absorption.  
May cause congenital malformation in the fetus.  
May cause eye, skin, or respiratory system irritation.  
May cause harm to the unborn child.  
May cause reproductive disorders.  
May impair fertility.  
Pregnant females should avoid exposure to this compound.

Target Organs:  
Female reproductive system.

Signs and Symptoms Of Exposure:  
Mifepristone is a highly studied, widely utilized compound effective for medical abortions.  
Please use appropriate cautions when handling this compound.  
To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Medical Conditions Generally Aggravated By Exposure:  
No data available.
SAFETY DATA SHEET
Mifepristone

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>Concentration</th>
<th>EC#</th>
<th>Risk Phrases</th>
<th>RTECS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mifepristone</td>
<td>84371-65-3</td>
<td>100.0 %</td>
<td>617-559-7</td>
<td>R60-61</td>
<td>KG2955000</td>
</tr>
</tbody>
</table>

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 20 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. Have eyes examined and tested by medical personnel.

In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

5. Fire Fighting Measures

Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing Media: A solid water stream may be inefficient.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: No data available.

Flash Pt: No data.

Autoignition Pt: No data available.

Explosive Limits: LEL: No data. UEL: No data.

Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Avoid raising and breathing dust, and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

Environmental Precautions: Take steps to avoid release into the environment, if safe to do so.

Steps To Be Taken In Case Material Is Released Or Spilled: Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.

7. Handling and Storage

Precautions To Be Taken in Handling: Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure.

Precautions To Be Taken in Storing: Keep container tightly closed. Store in accordance with information listed on the product insert.

Hazard Label Information: Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation. Wash thoroughly after handling.

8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mifepristone</td>
<td>84371-65-3</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>Britain EH40</th>
<th>France VL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mifepristone</td>
<td>84371-65-3</td>
<td>No data.</td>
<td>No data.</td>
</tr>
</tbody>
</table>
9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical States: [ ] Gas [ ] Liquid [X] Solid

Appearance and Odor: A crystalline solid

Boiling Point: No data.

Melting Point: No data.

Autoignition Pt: No data.

Flash Pt: No data.

Specific Gravity (Water = 1): No data.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate: No data.

Solubility in Water: No data.

Solubility Notes: ~0.2 mg/ml in 1:4 DMF:PBS (pH 7.2); ~20 mg/ml in EtOH & DMSO; ~30 mg/ml in DMF;

Other Information

Percent Volatile: No data.

Formula: C29H35NO2

Molecular Weight: 429.60

10. Stability and Reactivity

Stability: Unstable [ ] Stable [X]

Stability Note(s): Stable if stored in accordance with information listed on the product insert.

Conditions To Avoid: No data available.

Polymerization: Will occur [ ] Will not occur [ X ]

Incompatibility - Materials To Avoid: strong oxidizing agents

Hazardous Decomposition Or Byproducts: carbon dioxide
                                             carbon monoxide
                                             nitrogen oxides

11. Toxicological Information

Toxicological Information: The toxicological effects of this product have not been thoroughly studied.

Mifepristone - Toxicity Data: Oral TDLO (man): 6 mg/kg; Oral TDLO (woman): 4 mg/kg; Oral TDLO (human): 2.86 mg/kg; Oral TDLO (mouse): 12 mg/kg;
Mifepristone

SAFETY DATA SHEET

Chronic Toxicological Effects:
Mifepristone - Investigated as a reproductive effector and teratogen. Presumed human reproductive toxicant.
Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.
See actual entry in RTECS for complete information.
Ethanol RTECS Number: KG2955000

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mifepristone</td>
<td>84371-65-3</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
</tbody>
</table>

12. Ecological Information

General Ecological Information:
Avoid release into the environment.
Runoff from fire control or dilution water may cause pollution.

13. Disposal Considerations

Waste Disposal Method:
Dispose in accordance with local, state, and federal regulations.

14. Transport Information

Globally Harmonized System of Classification and Labelling
Toxic To Reproduction, Category 1B - Danger! May damage fertility or the unborn child

LAND TRANSPORT (US DOT)
DOT Proper Shipping Name
Not dangerous goods.

LAND TRANSPORT (European ADR/RID)
ADR/RID Shipping Name
Not dangerous goods.

AIR TRANSPORT (ICAO/IATA)
ICAO/IATA Shipping Name
Not dangerous goods.

Additional Transport Information:
Transport in accordance with local, state, and federal regulations.

15. Regulatory Information

European Community Hazard Symbol codes
T: Toxic; Reproductive Hazard: 2

European Community Risk and Safety Phrases
R60 - May impair fertility.
R61 - May cause harm to the unborn child.
S22 - Do not breathe dust.
S24/25 - Avoid contact with skin and eyes.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)
S53 - Avoid exposure - obtain special instructions before use.

US EPA SARA Title III

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>Sec.302 (EHS)</th>
<th>Sec.304 RQ</th>
<th>Sec.313 (TRI)</th>
<th>Sec.110</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mifepristone</td>
<td>84371-65-3</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Other US EPA or State Lists

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>CAA HAP,ODC</th>
<th>CWA NPDES</th>
<th>TSCA</th>
<th>CA PROP.65</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mifepristone</td>
<td>84371-65-3</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Regulatory Information Statement:

16. Other Information

Company Policy or Disclaimer
For research use only, not for human or veterinary use.
DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.