Section 1 - Product and Company Information

Product Name                                       17A-HYDROXYPROGESTERONE
Product Number                                    H5752
Brand                                             SIGMA
Company                                           Sigma-Aldrich Canada, Ltd
Street Address                                    2149 Winston Park Drive
City, State, Zip, Country                         Oakville ON L6H 6J8 CA
Technical Phone:                                  9058299500
Emergency Phone:                                  800-424-9300
Fax:                                              9058299292

Section 2 - Composition/Information on Ingredient

Substance Name                                      CAS #          SARA 313
17A-HYDROXYPROGESTERONE                            68-96-2        No

Formula                                               C21H30O3
Synonyms                                             
    Gestageno qador *
    17-Hydroxypregn-4-ene-3,20-dione *
    17-Hydroxyprogesterone *
    17-alpha-Hydroxyprogesterone *
    Prodix *
    Prodox
RTECS Number:                                       TU5060000

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
    Toxic.
    May cause harm to the unborn child.

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 not breathing give artificial respiration. If breathing is difficult, give oxygen.

Section 5 - Fire Fighting Measures

FLASH POINT
    N/A

AUTOIGNITION TEMP
    N/A

FLAMMABILITY
EXTINGUISHING MEDIA
Suitable: Water spray. 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 TO BE FOLLOWED IN CASE OF LEAK OR SPILL
Evacuate area.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)
Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Wear disposable coveralls and discard them after use.

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

HANDLING
User Exposure: Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

STORAGE
Suitable: Keep tightly closed. Store in a cool dry place.

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS
Use only in a chemical fume hood. Safety shower and eye bath.

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

GENERAL HYGIENE MEASURES
Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 - Physical/Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>At Temperature or Pressure</th>
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<tbody>
<tr>
<td>Appearance</td>
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<tr>
<td>Molecular Weight</td>
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<td>pH</td>
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<tr>
<td>Freezing Point</td>
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<tr>
<td>Vapor Pressure</td>
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<td></td>
</tr>
<tr>
<td>Vapor Density</td>
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<td></td>
</tr>
</tbody>
</table>
Saturated Vapor Conc.  N/A
SG/Density  N/A
Bulk Density  N/A
Odor Threshold  N/A
Volatile%  N/A
VOC Content  N/A
Water Content  N/A
Solvent Content  N/A
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
Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

Section 11 - Toxicological Information

ROUTE OF EXPOSURE
Multiple Routes: Harmful if swallowed, inhaled, or absorbed through skin. 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.

CHRONIC EXPOSURE - TERATOGEN

Species: Woman
Dose: 65 MG/KG
Route of Application: Intramuscular
Exposure Time: (8-32W PREG)

CHRONIC EXPOSURE - REPRODUCTIVE HAZARD
Result: May cause reproductive disorders.

Species: Rabbit
Dose: 5 MG/KG
Route of Application: Subcutaneous
Exposure Time: (1D PRE)
Result: Effects on Fertility: Other measures of fertility

Section 12 - Ecological Information
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: T
Indication of Danger: Toxic.
R: 61
Risk Statements: May cause harm to the unborn child.
S: 53 22 36/37/39 45
Safety Statements: Avoid exposure – obtain special instructions before use. Do not breathe dust. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

US CLASSIFICATION AND LABEL TEXT
Indication of Danger: Toxic.
Risk Statements: May cause harm to the unborn child.
Safety Statements: Do not breathe dust. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wear suitable protective clothing, gloves, and eye/face protection. Keep container tightly closed in a cool well-ventilated place.

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
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