



# SAFETY DATA SHEET

100-1648 - Progesterone

Revision Date 15-Feb-2024

Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Progesterone

### Other means of identification

**Catalog Number** 100-1648

**Document Number** 10000027344

**Synonym** Cyclogest, NSC 9704, NSC 64377

### Recommended use of the chemical and restrictions on use

**Recommended Use** Laboratory chemical

### Details of the supplier of the safety data sheet

#### Manufacturer/Supplier

STEMCELL Technologies Canada Inc.  
Suite 500 - 1618 Station Street  
Vancouver, British Columbia V6A 1B6 Canada

### Emergency telephone number

**Emergency Telephone** 1-800-667-0322

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                        |             |
|------------------------|-------------|
| Germ cell mutagenicity | Category 1A |
| Carcinogenicity        | Category 2  |
| Reproductive toxicity  | Category 1A |

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements



# SAFETY DATA SHEET

100-1648 - Progesterone

Revision Date 15-Feb-2024

Revision Number 1

## Danger

### Hazard statements

May cause genetic defects  
Suspected of causing cancer  
May damage fertility or the unborn child



**Appearance** Crystalline

**Physical state** Solid

**Odor** No data available

### Precautionary Statements - Prevention

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Wear protective gloves/protective clothing/eye protection/face protection

### Precautionary statements - Response

IF exposed or concerned: Get medical advice/attention

### Precautionary Statements - Storage

Store locked up

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

### Other Information

Not Applicable

### Unknown acute toxicity

100 % of the mixture consists of ingredient(s) of unknown toxicity

100 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

100 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substance

#### Synonym

Cyclogest, NSC 9704, NSC 64377.



# SAFETY DATA SHEET

100-1648 - Progesterone

Revision Date 15-Feb-2024

Revision Number 1

| Chemical name          | CAS No. | Weight-% |
|------------------------|---------|----------|
| pregn-4-ene-3,20-dione | 57-83-0 | 100      |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

### Description of first aid measures

|                |  |
|----------------|--|
| General advice | IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.      |
| Inhalation     | Remove to fresh air.   |
| Eye contact    | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact   | Wash skin with soap and water.   |
| Ingestion      | Clean mouth with water and drink afterwards plenty of water.   |

### Most important symptoms and effects, both acute and delayed

|          |                           |
|----------|---------------------------|
| Symptoms | No information available. |
|----------|---------------------------|

### Indication of any immediate medical attention and special treatment needed

|                    |                        |
|--------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|--------------------|------------------------|

## 5. FIRE-FIGHTING MEASURES

|  |   |
|--|---|
| Suitable Extinguishing Media               | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media             | CAUTION: Use of water spray when fighting fire may be inefficient.                                      |
| Specific hazards arising from the chemical | No information available.   |
| Explosion data                             |   |
| Sensitivity to Mechanical Impact           | None.   |
| Sensitivity to Static Discharge            | None.   |



# SAFETY DATA SHEET

100-1648 - Progesterone

Revision Date 15-Feb-2024

Revision Number 1

**Special protective equipment for fire-fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions**

Ensure adequate ventilation.

**Other Information**

Refer to protective measures listed in Sections 7 and 8.

### Environmental precautions

**Environmental precautions**

See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for containment**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards**

Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions**

Store in accordance with information listed on the Product Information Sheet (PIS).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Limits**

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other



# SAFETY DATA SHEET

100-1648 - Progesterone

Revision Date 15-Feb-2024  
Revision Number 1

recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

## Appropriate engineering controls

**Engineering controls**  
Showers  
Eyewash stations  
Ventilation systems.

## Individual protection measures, such as personal protective equipment

**Eye/face protection** No special protective equipment required.

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state** Solid  
**Appearance** Crystalline  
**Color** No information available  
**Odor** No data available  
**Odor threshold** No data available

| Property                       | Values                    | Remarks • Method |
|--------------------------------|---------------------------|------------------|
| pH                             | No data available         | None known       |
| Melting point / freezing point | No data available         | None known       |
| Boiling point / boiling range  | No data available         | None known       |
| Flash point                    | No data available         | None known       |
| Evaporation rate               | No data available         | None known       |
| Flammability (solid, gas)      | Product is not flammable. | None known       |
| Flammability Limit in Air      |                           | None known       |
| Upper flammability limit:      | No data available         |                  |
| Lower flammability limit:      | No data available         |                  |
| Vapor pressure                 | No data available         | None known       |



# SAFETY DATA SHEET

100-1648 - Progesterone

Revision Date 15-Feb-2024

Revision Number 1

|                              |  |            |
|------------------------------|--|------------|
| Vapor density                | No data available  | None known |
| Relative density             | No data available  | None known |
| Water solubility             | No data available  | None known |
| Solubility in other solvents | Acetonitrile: 1 mg/mL; Ethanol: 1 mg/mL; Methanol: 1 mg/mL | None known |
| Partition coefficient        | No data available  | None known |
| Autoignition temperature     | No data available  | None known |
| Decomposition temperature    | No data available  | None known |
| Kinematic viscosity          | No data available  | None known |
| Dynamic viscosity            | No data available  | None known |
| Explosive properties         | No data available  |            |
| Oxidizing properties         | No information available                                   |            |

## Other Information

|                   |  |
|-------------------|--|
| Softening point   | No information available                       |
| Molecular weight  | 314.5  |
| Molecular formula | C <sub>21</sub> H <sub>30</sub> O <sub>2</sub> |
| VOC Content (%)   | No information available                       |
| Liquid Density    | No information available                       |
| Bulk density      | No information available                       |

## 10. STABILITY AND REACTIVITY

|                                    |   |
|------------------------------------|---|
| Reactivity                         | No information available.                                 |
| Chemical stability                 | Stable under recommended transport or storage conditions. |
| Possibility of hazardous reactions | None under normal processing.                             |
| Conditions to avoid                | None known based on information supplied.                 |
| Incompatible materials             | Strong oxidizing agents.                                  |
| Hazardous decomposition products   | Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide.       |

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|              |   |
|--------------|---|
| Inhalation   | Specific test data for the substance or mixture is not available. |
| Eye contact  | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. |



# SAFETY DATA SHEET

100-1648 - Progesterone

Revision Date 15-Feb-2024

Revision Number 1

**Ingestion**

Specific test data for the substance or mixture is not available.

## Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms**

No information available.

## Numerical measures of toxicity

**Acute toxicity**

**Unknown acute toxicity**

100 % of the mixture consists of ingredient(s) of unknown toxicity

100 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

100 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Product Information

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation**

No information available.

Product Information

**Serious eye damage/eye irritation**

No information available.

Product Information

**Respiratory or skin sensitization**

No information available.

Product Information

**Germ cell mutagenicity**

Classification based on data available for ingredients. Contains a known or suspected mutagen.

Product Information

**Carcinogenicity**

Classification based on data available for ingredients.

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

| Chemical name                     | ACGIH | IARC     | NTP                    | OSHA |
|-----------------------------------|-------|----------|------------------------|------|
| pregn-4-ene-3,20-dione<br>57-83-0 | -     | Group 2B | Reasonably Anticipated | X    |

**Reproductive toxicity**

Classification based on data available for ingredients.

Product Information

**STOT - single exposure**

No information available.

Product Information



# SAFETY DATA SHEET

100-1648 - Progesterone

Revision Date 15-Feb-2024

Revision Number 1

STOT - repeated exposure No information available.

Product Information

Aspiration hazard No information available.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity The environmental impact of this product has not been fully investigated.

Product Information

Persistence and degradability No information available.

Bioaccumulation There is no data for this product.

Other adverse effects No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

## 14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO (air) Not regulated

IATA Not regulated





# SAFETY DATA SHEET

**100-1648 - Progesterone**

Revision Date 15-Feb-2024

Revision Number 1

|             |               |
|-------------|---------------|
| <b>IMDG</b> | Not regulated |
| <b>RID</b>  | Not regulated |
| <b>ADR</b>  | Not regulated |
| <b>ADN</b>  | Not regulated |

## 15. REGULATORY INFORMATION

### International Inventories

|                      |                 |
|----------------------|-----------------|
| <b>TSCA</b>          | Complies        |
| <b>DSL/NDL</b>       | Complies        |
| <b>EINECS/ELINCS</b> | Complies        |
| <b>ENCS</b>          | Complies        |
| <b>IECSC</b>         | Does not comply |
| <b>KECL</b>          | Complies        |
| <b>PICCS</b>         | Complies        |
| <b>AICS</b>          | Does not comply |

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - 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

**AICS** - Australian Inventory of 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**

|  |     |
|--|-----|
| <b>Acute health hazard</b>               | No  |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | 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).



# SAFETY DATA SHEET

100-1648 - Progesterone

Revision Date 15-Feb-2024

Revision Number 1

## CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

## US State Regulations

### California Proposition 65

This product contains the following Proposition 65 chemicals.

| Chemical name                    | California Proposition 65 |
|----------------------------------|---------------------------|
| pregn-4-ene-3,20-dione - 57-83-0 | Carcinogen                |

## U.S. State Right-to-Know Regulations

| Chemical name                     | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------------|------------|---------------|--------------|
| pregn-4-ene-3,20-dione<br>57-83-0 | X          | X             | X            |

## U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Prepared By, Quality Control. STEMCELL Technologies Canada Inc.

Revision Date 15-Feb-2024

Revision Note No information available.

### Disclaimer

The information provided in this 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. STEMCELL Technologies Inc. shall not be held liable for any damage resulting from handling or from contact with the product.

End of Safety Data Sheet