

Expert Synthesis Solutions

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# SECTION 1: PRODUCT IDENTIFICATION

 Product Name:
 20β-Dihydrodydrogesterone

 Catalog No.:
 ESS0564

 Product Use:
 For laboratory research purposes

## SECTION 2: HAZARDS IDENTIFICATION

Hazardous combustion products:

Explosion data:

SECTION 2: HAZARDS IDE	
WHMIS Classification:	CLASS D2A: Very toxic material causing other toxic effects. Teratogen, Mutagen, Reproductive hazard.
GHS Classification:	Acute toxicity, oral (Category 5)
	Reproductive toxicity (Category 2)
	Germ Cell Mutagenicity (Category 2)
GHS Label elements:	
Pictogram:	
Signal word:	Warning
Hazard statement:	H303: May be harmful if swallowed.
	H341: Suspected of causing genetic defects.
	H361: Suspected of damaging fertility or the unborn child.
<b>D</b> <i>i i i i i</i>	H411: Toxic to aquatic life with long lasting effects. P201: Obtain special instructions before use.
Precautionary statement:	P201. Obtain special instituctions before use. P202: Do not handle until all safety precautions have been read and understood.
	P264: Wash (hands) thoroughly after handling.
	P204. Wash (nands) including and nanding. P280: Wear protective gloves/protective clothing/eye protection/ face protection.
Beenenee statementer	P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
Response statements:	P308+P313: IF exposed or concerned: Get medical advice/ attention.
	P330: Rinse mouth.
HMIS Classification	
Health Hazard:	1
Chronic Health Hazard:	Not available
Flammability:	0
Physical Hazards:	0
Potential Health Effects	
Inhalation:	May be harmful in case of inhalation. May cause respiratory tract irritation.
Skin:	May be harmful if absorbed through skin. May cause skin irritation.
Eyes:	May cause eye irritation.
Ingestion:	May be harmful if swallowed.
Other hazards:	No data available.
	I / INFORMATION ON INGREDIENTS t available
	4.46
	43-73-6
SECTION 4: FIRST AID MEA	
General Advice:	Consult a physician. Show this SDS. Move out of dangerous area.
If Inhaled:	Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.
In case of skin contact:	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and
	non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin
	with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
In case of eye contact:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold
-	water may be used. Do not use an eye ointment. Seek medical attention.
If swallowed:	Do not induce vomiting. Rinse mouth with water. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible
	indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a
	collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
SECTION 5: FIRE FIGHTING	
Conditions of flammability	
Suitable extinguishing me	
Special protective equipm	nent for firefighters: wear a self-contained breathing apparatus in pressure-demand, MSTA/NOST (approved or equivalent) and full protective dear. During a fire toxic dases may be denerated by thermal decomposition or combustion

No data available.

protective gear. During a fire, toxic gases may be generated by thermal decomposition or combustion. Hazardous decomposition products formed under fire conditions: carbon oxides (CO, CO<sub>2</sub>).



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Personal precautions:	Use proper personal protective equipment as indicated in section 8.
Environmental precautions:	Clean up spills immediately, observing precautions in the Protective Equipment section. Do not let product enter drains.
Methods and materials for contain	
ECTION 7: HANDLING AND STORA	GE
	Keep away from heat. Keep away from sources of ignition. Avoid formation of dust and aerosols. Provide appropriate exhaust
Conditions for safe storage:	rentilation where dust is formed. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice mmediately and show the container or the label. Avoid contact with skin and eyes. Keep container tightly closed in a dry and well ventilated place. Ground all equipment containing material. Recommended long erm storage temperature -18°C.
SECTION 8: EXPOSURE CONTROL /	PERSONAL PROTECTION
Engineering Controls:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended
	exposure limits.
Personal protective equipment	
Respiratory protection:	Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode
	with emergency escape provisions.
Hand protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer
	surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws
	and good laboratory practices. Wash and dry hands.
Eye protection:	Wear safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under
	appropriate government standards such as NIOSH (US) or EN166 (EU).
Skin and body protection:	Wear appropriate gloves and clothing to prevent skin exposure.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before break and after the end of work day
SECTION 9: PHYSICAL & CHEMICAL	
Appearance:	Off-white solid
Odour:	No data available.
Odour threshold:	No data available.
pH:	No data available.
Melting point/Freezing point:	No data available. No data available.
Initial boiling point/boiling range: Flash point:	No data available.
Evaporation rate:	No data available.
Flammability (solid; gas):	No data available.
Lower flammable/explosive limit:	No data available.
Upper flammable/explosive limit:	No data available.
Vapour pressure:	No data available.
Vapour density:	No data available.
Solubility:	Acetone, Chloroform, THF
Partition coefficient – n-octanol/wa	
Autoignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
SECTION 10: STABILITY & REACTIV	ITY
Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid:	Not available.
Possibility of hazardous reactions:	
Incompatibilities	Strong ovidizing agents

### SECTION 11: TOXICOLOGICAL INFORMATION

Hazardous decompositions products:

Incompatibilities:

Acute Toxicity:	No data available.
Potential health effects:	
Inhalation:	May be harmful in case of inhalation. May cause respiratory tract irritation.
Skin:	May be harmful if absorbed through skin. May cause skin irritation.
Eyes:	May cause eye irritation.
Ingestion:	May be harmful if swallowed.
Signs and symptoms of exposure:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Strong oxidizing agents.

Hazardous decomposition products formed under fire conditions: carbon oxides (CO, CO<sub>2</sub>).



Product:

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#### SECTION 12: ECOLOGICAL INFORMATION No data available. Ecotoxicity: Persistence and degradability: No data available. No data available. Bioaccumulative potential: No data available. Mobility in soil: Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## SECTION 13: DISPOSAL CONSIDERATION

Dispose in a manner consistent with federal, state, and local regulations. Dispose of as unused product. Contaminated packaging:

#### SECTION 14: TRANSPORT INFORMATION

TDG (Canada):	UN3077
DOT (US):	UN3077
IMDG:	UN3077
IATA:	UN3077
UN number:	UN3077
UN proper shipping name:	20β-Dihydrodydrogesterone, Environmentally hazardous substance, organic compound, solid.
Transport hazard class:	9
Packing group:	
Special precautions:	Ship at room temperature.

### SECTION 15: REGULATORY INFORMATION

WHMIS CLASS D2A: Very toxic material causing other toxic effects. Teratogen, Carcinogen, Reproductive hazard. General: DSL/NDSL (Canada): This product is not listed on the Canadian DSL/NDSL. TSCA (US): This product is not listed on the US EPA TSCA. A component of this product is listed on the EU ECHA. ECHA (EU):

## SECTION 16: OTHER INFORMATION

## Further Information

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a quide. The information in this document is based on the present state of our knowledge and is applicable to the product with regards to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Expert Synthesis Solutions shall not be held liable for any damage resulting from handling or from contact with the above product.