



EXPANDED LABELED STEROID STANDARDS SET S

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 25/01/2022

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Version: 1.0

NSK-S-EXP

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixtures
Product name : EXPANDED LABELED STEROID STANDARDS SET S
Product code : NSK-S-EXP

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Professional use
Industrial/Professional use spec : For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Cambridge Isotope Laboratories, Inc.
50 Frontage Road
Andover, MA 01810
USA

USA: 1-800-322-1174 Int: 1-978-749-8000
cilsales@isotope.com www.isotope.com

Emergency telephone number

Emergency numbers:

Chemtrec: 1-800-424-9300 (24 hours)
International: 1-703-741-5970 (24 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Sens. 1 H317
Carc. 1A H350
Repr. 1A H360
Lact. H362

Full text of hazard classes and H-statements : see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.1; R45
Carc.Cat.1; R49
Repr.Cat.2; R60
Repr.Cat.2; R61
R43

Full text of R-phrases: see section 16

GHS-US classification

Skin Sens. 1 H317
Carc. 1A H350
Repr. 1A H360
Lact. H362

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS08

Signal word (CLP) :

: Danger

Hazardous ingredients :

: TESTOSTERONE (2,2,4,6,6-D5, 98%); CORTICOSTERONE (2,2,4,6,6,17A,21,21-D8, 97-98%); 4-ANDROSTENE-3,17-DIONE (2,2,4,6,6-D5, 98%)

Hazard statements (CLP) :

: H317 - May cause an allergic skin reaction
H350 - May cause cancer (in contact with skin, if inhaled, if swallowed)
H360 - May damage fertility. Suspected of damaging the unborn child. (in contact with skin, if inhaled, if swallowed)
H362 - May cause harm to breast-fed children

Precautionary statements (CLP) :

: P260 - Do not breathe dust, fume, gas, mist, spray, vapors.
P263 - Avoid contact during pregnancy/while nursing.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective clothing, protective gloves.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P308+P313 - IF exposed or concerned: Get medical advice/attention.

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

GHS08

Signal word (GHS-US) :

: Danger

Hazard statements (GHS-US) :

: H317 - May cause an allergic skin reaction
H350 - May cause cancer (Dermal, Inhalation, oral)
H360 - May damage fertility. May damage the unborn child. (Dermal, Inhalation, oral)
H362 - May cause harm to breast-fed children

Precautionary statements (GHS-US) :

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust, fume, gas, mist, spray, vapors.
P261 - Avoid breathing dust, fume, gas, spray, vapors, mist.
P263 - Avoid contact during pregnancy/while nursing.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear protective clothing, protective gloves.
P302+P352 - If on skin: Wash with plenty of water
P308+P313 - If exposed or concerned: Get medical advice/attention.
P321 - Specific treatment (see Hazardous component(s) for labeling on this label)
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
DEHYDROEPIANDROSTERONE SULFATE:SODIUM SALT:2H2O (2,2,3,4,4,6-D6, 95%) (DHEAS)	(CAS-No.) 78590-17-7	81.8	Not classified
11-DEOXYCORTISOL (2,2,4,6,6-D5, 98%) 97% CHEMICAL PURITY	(CAS-No.) 152-58-9 (Unlabeled) (EC-No.) 205-805-2 (Unlabeled)	8.2	Not classified
CORTICOSTERONE (2,2,4,6,6,17A,21,21-D8, 97-98%)	(CAS-No.) 1271728-07-4 (EC-No.) 200-019-6 (Unlabeled)	4.88	R43
ALDOSTERONE (D7, 98%)	(CAS-No.) 52-39-1 (Unlabeled) (EC-No.) 200-139-9 (Unlabeled)	1.66	Not classified
CORTISOL (9,12,12-D3, 98%)	(CAS-No.) 115699-92-8 (EC-No.) 200-020-1 (Unlabeled)	1.66	Repr.Cat.3; R62 Repr.Cat.3; R63
17A-HYDROXYPROGESTERONE (2,2,4,6,6,21,21,21-D8, 98%)	(CAS-No.) 68-96-2 (Unlabeled) (EC-No.) 200-699-4 (Unlabeled)	0.79	Repr.Cat.2; R60 Repr.Cat.2; R61
PROGESTERONE (2,2,4,6,6,17A,21,21,21-D9, 98%)	(CAS-No.) 15775-74-3 (EC-No.) 200-350-6 (Unlabeled)	0.39	Carc.Cat.3; R40 Repr.Cat.3; R62 Repr.Cat.3; R63 Xn; R22
TESTOSTERONE (2,2,4,6,6-D5, 98%)	(CAS-No.) 21002-80-2 (EC-No.) 200-370-5 (Unlabeled) (EC Index-No.)	0.31	Carc.Cat.1; R45 Carc.Cat.1; R49 Repr.Cat.1; R60 Repr.Cat.1; R61
4-ANDROSTENE-3,17-DIONE (2,2,4,6,6-D5, 98%)	(CAS-No.) 63-05-8 (Unlabeled) (EC-No.) 200-554-5 (Unlabeled)	0.31	Xn; R22 Carc.Cat.3; R40 Repr.Cat.1; R60 Repr.Cat.1; R61

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
DEHYDROEPIANDROSTERONE SULFATE:SODIUM SALT:2H2O (2,2,3,4,4,6-D6, 95%) (DHEAS)	(CAS-No.) 78590-17-7	81.8	Not classified
11-DEOXYCORTISOL (2,2,4,6,6-D5, 98%) 97% CHEMICAL PURITY	(CAS-No.) 152-58-9 (Unlabeled) (EC-No.) 205-805-2 (Unlabeled)	8.2	Not classified
CORTICOSTERONE (2,2,4,6,6,17A,21,21-D8, 97-98%)	(CAS-No.) 1271728-07-4 (EC-No.) 200-019-6 (Unlabeled)	4.88	Skin Sens. 1, H317
ALDOSTERONE (D7, 98%)	(CAS-No.) 52-39-1 (Unlabeled) (EC-No.) 200-139-9 (Unlabeled)	1.66	Not classified
CORTISOL (9,12,12-D3, 98%)	(CAS-No.) 115699-92-8 (EC-No.) 200-020-1 (Unlabeled)	1.66	Repr. 2, H361
17A-HYDROXYPROGESTERONE (2,2,4,6,6,21,21,21-D8, 98%)	(CAS-No.) 68-96-2 (Unlabeled) (EC-No.) 200-699-4 (Unlabeled)	0.79	Repr. 1B, H360
PROGESTERONE (2,2,4,6,6,17A,21,21,21-D9, 98%)	(CAS-No.) 15775-74-3 (EC-No.) 200-350-6 (Unlabeled)	0.39	Carc. 2, H351 Repr. 2, H361
TESTOSTERONE (2,2,4,6,6-D5, 98%)	(CAS-No.) 21002-80-2 (EC-No.) 200-370-5 (Unlabeled) (EC Index-No.)	0.31	Carc. 1A, H350 Repr. 1B, H360
4-ANDROSTENE-3,17-DIONE (2,2,4,6,6-D5, 98%)	(CAS-No.) 63-05-8 (Unlabeled) (EC-No.) 200-554-5 (Unlabeled)	0.31	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Lact., H362 Repr. 1A, H360

Name	Product identifier	%	GHS-US classification
DEHYDROEPIANDROSTERONE SULFATE:SODIUM SALT:2H2O (2,2,3,4,4,6-D6, 95%) (DHEAS)	(CAS-No.) 78590-17-7	81.8	Not classified
11-DEOXYCORTISOL (2,2,4,6,6-D5, 98%) 97% CHEMICAL PURITY	(CAS-No.) 152-58-9 (Unlabeled)	8.2	Not classified
CORTICOSTERONE (2,2,4,6,6,17A,21,21-D8, 97-98%)	(CAS-No.) 1271728-07-4	4.88	Skin Sens. 1, H317
ALDOSTERONE (D7, 98%)	(CAS-No.) 52-39-1 (Unlabeled)	1.66	Not classified
CORTISOL (9,12,12-D3, 98%)	(CAS-No.) 115699-92-8	1.66	Repr. 2, H361
17A-HYDROXYPROGESTERONE (2,2,4,6,6,21,21,21-D8, 98%)	(CAS-No.) 68-96-2 (Unlabeled)	0.79	Repr. 1B, H360
PROGESTERONE (2,2,4,6,6,17A,21,21,21-D9, 98%)	(CAS-No.) 15775-74-3	0.39	Carc. 2, H351 Repr. 2, H361
TESTOSTERONE (2,2,4,6,6-D5, 98%)	(CAS-No.) 21002-80-2	0.31	Carc. 1A, H350 Repr. 1B, H360
4-ANDROSTENE-3,17-DIONE (2,2,4,6,6-D5, 98%)	(CAS-No.) 63-05-8 (Unlabeled)	0.31	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Lact., H362 Repr. 1A, H360 Aquatic Acute 2, H401

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Full text of R- and H- phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. May cause harm to breast-fed children.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.
First-aid measures after skin contact	: Wash with plenty of soap and water. If skin irritation or rash occurs: Wash with plenty of soap and water, Get immediate medical advice/attention. Get medical advice/attention. Specific treatment (see Hazard pictograms (CLP) on this label). Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Rinse immediately with plenty of water.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Rinse mouth out with water.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: May damage fertility. May damage the unborn child. May damage fertility. May damage the unborn child. (in contact with skin, if inhaled, if swallowed).
Symptoms/effects after inhalation	: May be harmful if inhaled. May cause cancer by inhalation.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion	: May be harmful if swallowed and enters airways.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Foam. Dry powder. Carbon dioxide. Alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus.
Protection during firefighting	: Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Avoid breathing dust, mist or spray. Provide adequate ventilation to minimize dust and/or vapor concentrations. Use personal protective equipment as required.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: In order to avoid inhalation of mist/vapor, all spraying must be done wearing adequate respirator. Avoid breathing dust, fume, gas, mist, spray, vapors. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact during pregnancy/while nursing. Do not breathe dust, fume, gas, mist, spray, vapors.
Hygiene measures	: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store tightly closed in a dry and cool place.
Storage conditions : Store refrigerated (-5 °C to 5 °C). Protect from light.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment : Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.



Materials for protective clothing : Wear suitable protective clothing and gloves.
Hand protection : Wear suitable protective clothing and gloves.
Eye protection : Chemical goggles or face shield with safety glasses.
Skin and body protection : Wear suitable protective clothing, gloves and eye/face protection.
Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
Consumer exposure controls : Avoid contact during pregnancy/while nursing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : Solid
Color : Off-white
Odor : No data available
Odor threshold : No data available
pH : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapor pressure : No data available
Relative vapor density at 20 °C : No data available
Relative density : No data available
Solubility : No data available
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Explosion limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

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10.2. Chemical stability

See storage and expiration date on CoA.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Strong bases. Strong acids.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

4-ANDROSTENE-3,17-DIONE (2,2,4,6,6-D5, 98%) (63-05-8 (Unlabeled))	
LD50 oral rat	> 500 - 1000 mg/kg - male (OECD Test Guideline 423)
LD50 dermal rat	> 2000 mg/kg - male and female (OECD Test Guideline 402)
ATE CLP (oral)	500.000 mg/kg body weight

PROGESTERONE (2,2,4,6,6,17A,21,21,21-D9, 98%) (15775-74-3)	
LD50 oral rat	5000 mg/kg
ATE CLP (oral)	5000.000 mg/kg body weight

CORTISOL (9,12,12-D3, 98%) (115699-92-8)	
LD50 Intraperitoneal - Rat - 150 mg/kg	Biochemical: Metabolism (intermediary): Effect on inflammation or mediation of inflammation.
Remarks	

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer (in contact with skin, if inhaled, if swallowed).
Reproductive toxicity	: May damage fertility. Suspected of damaging the unborn child. (in contact with skin, if inhaled, if swallowed). May cause harm to breast-fed children. May cause harm to breast-fed children
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
Symptoms/effects after inhalation	: May be harmful if inhaled. May cause cancer by inhalation.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion	: May be harmful if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

TESTOSTERONE (2,2,4,6,6-D5, 98%) (21002-80-2)	
ErC50 (algae)	0.5 - 0.7 mg/l static test EC50 - Desmodesmus subspicatus (green algae) - 72 h (OECD Test Guideline 201)
NOEC chronic crustacea	6.2 mg/l static test NOEC - Daphnia magna (Water flea) - 48 h (OECD Test Guideline 202)

4-ANDROSTENE-3,17-DIONE (2,2,4,6,6-D5, 98%) (63-05-8 (Unlabeled))	
LC50 fish 1	8.609 mg/l semi-static test LC50 - Danio rerio (Zebra fish) - 96 h (OECD Test Guideline 203)
EC50 Daphnia 1	21.4 mg/l static test EC50 - Daphnia magna (Water flea) - 48 h (OECD Test Guideline 202)
EC50 other aquatic organisms 1	>= 49.5 mg/l Growth inhibition EC10 - Pseudomonas putida - 16 h (DIN 38 412 Part 8)
ErC50 (algae)	8.2 mg/l static test EC50 - Pseudokirchneriella subcapitata - 72 h (OECD Test Guideline 201)

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12.2. Persistence and degradability

TESTOSTERONE (2,2,4,6,6-D5, 98%) (21002-80-2)

Biodegradation	Aerobic - Result: Readily biodegradable
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4-ANDROSTENE-3,17-DIONE (2,2,4,6,6-D5, 98%) (63-05-8 (Unlabeled))

Persistence and degradability	aerobic - Exposure time 29 d.
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Biodegradation	79 % - Readily biodegradable (OECD Test Guideline 301B)
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12.3. Bioaccumulative potential

TESTOSTERONE (2,2,4,6,6-D5, 98%) (21002-80-2)

Log Pow	2.84 at 25 °C (77 °F)
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4-ANDROSTENE-3,17-DIONE (2,2,4,6,6-D5, 98%) (63-05-8 (Unlabeled))

Log Pow	2.7 at 25 °C (77 °F)
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12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.

Product/Packaging disposal recommendations : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Ecology - waste materials : Dispose of as unused product.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Additional information

Other information : No supplementary information available.

Special transport precautions : Not classified as dangerous in the meaning of transport regulations.

Overland transport

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

14.4. Environmental hazards

Other information : No supplementary information available.

14.5. Special precautions for user

Special transport precautions : Not classified as dangerous in the meaning of transport regulations.

14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

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SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313

TESTOSTERONE (2,2,4,6,6-D5, 98%) (21002-80-2)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.

CORTICOSTERONE (2,2,4,6,6,17A,21,21-D8, 97-98%) (1271728-07-4)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard

4-ANDROSTENE-3,17-DIONE (2,2,4,6,6-D5, 98%) (63-05-8 (Unlabeled))

Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.

17A-HYDROXYPROGESTERONE (2,2,4,6,6,21,21,21-D8, 98%) (68-96-2 (Unlabeled))

Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313

PROGESTERONE (2,2,4,6,6,17A,21,21,21-D9, 98%) (15775-74-3)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard

DEHYDROEPIANDROSTERONE SULFATE:SODIUM SALT:2H2O (2,2,3,4,4,6-D6, 95%) (DHEAS) (78590-17-7)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313

ALDOSTERONE (D7, 98%) (52-39-1 (Unlabeled))

Listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313

11-DEOXYCORTISOL (2,2,4,6,6-D5, 98%) 97% CHEMICAL PURITY (152-58-9 (Unlabeled))

Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.

CORTISOL (9,12,12-D3, 98%) (115699-92-8)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard

15.2. International regulations

CANADA

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Listed on the Canadian DSL (Domestic Substances List)

EXPANDED LABELED STEROID STANDARDS SET S

NSK-S-EXP

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

15.2.1. National regulations

TESTOSTERONE (2,2,4,6,6-D5, 98%) (21002-80-2)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
CORTICOSTERONE (2,2,4,6,6,17A,21,21-D8, 97-98%) (1271728-07-4)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
4-ANDROSTENE-3,17-DIONE (2,2,4,6,6-D5, 98%) (63-05-8 (Unlabeled))
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
17A-HYDROXYPROGESTERONE (2,2,4,6,6,21,21,21-D8, 98%) (68-96-2 (Unlabeled))
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
PROGESTERONE (2,2,4,6,6,17A,21,21,21-D9, 98%) (15775-74-3)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
DEHYDROEPIANDROSTERONE SULFATE:SODIUM SALT:2H2O (2,2,3,4,4,6-D6, 95%) (DHEAS) (78590-17-7)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
ALDOSTERONE (D7, 98%) (52-39-1 (Unlabeled))
Listed on the Canadian NDSL (Non-Domestic Substances List)
11-DEOXYCORTISOL (2,2,4,6,6-D5, 98%) 97% CHEMICAL PURITY (152-58-9 (Unlabeled))
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)
CORTISOL (9,12,12-D3, 98%) (115699-92-8)
Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

15.3. US State regulations

EXPANDED LABELED STEROID STANDARDS SET S()				
U.S. - California - Proposition 65 - Carcinogens List	Yes			
U.S. - California - Proposition 65 - Developmental Toxicity	No			
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No			
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No			
State or local regulations	U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List			
TESTOSTERONE (2,2,4,6,6-D5, 98%) (21002-80-2)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
CORTICOSTERONE (2,2,4,6,6,17A,21,21-D8, 97-98%) (1271728-07-4)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
4-ANDROSTENE-3,17-DIONE (2,2,4,6,6-D5, 98%) (63-05-8 (Unlabeled))				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
17A-HYDROXYPROGESTERONE (2,2,4,6,6,21,21,21-D8, 98%) (68-96-2 (Unlabeled))				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

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PROGESTERONE (2,2,4,6,6,17A,21,21,21-D9, 98%) (15775-74-3)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
DEHYDROEPIANDROSTERONE SULFATE:SODIUM SALT:2H2O (2,2,3,4,4,6-D6, 95%) (DHEAS) (78590-17-7)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
ALDOSTERONE (D7, 98%) (52-39-1 (Unlabeled))				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
11-DEOXYCORTISOL (2,2,4,6,6-D5, 98%) 97% CHEMICAL PURITY (152-58-9 (Unlabeled))				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
CORTISOL (9,12,12-D3, 98%) (115699-92-8)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
17A-HYDROXYPROGESTERONE (2,2,4,6,6,21,21,21-D8, 98%) (68-96-2 (Unlabeled))				
State or local regulations				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
DEHYDROEPIANDROSTERONE SULFATE:SODIUM SALT:2H2O (2,2,3,4,4,6-D6, 95%) (DHEAS) (78590-17-7)				
State or local regulations				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
ALDOSTERONE (D7, 98%) (52-39-1 (Unlabeled))				
State or local regulations				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
11-DEOXYCORTISOL (2,2,4,6,6-D5, 98%) 97% CHEMICAL PURITY (152-58-9 (Unlabeled))				
State or local regulations				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				

SECTION 16: Other information

Other information : This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Carc. 1A	Carcinogenicity Category 1A
Carc. 2	Carcinogenicity Category 2
Lact.	Reproductive toxicity (Lact.)
Repr. 1A	Reproductive toxicity Category 1A

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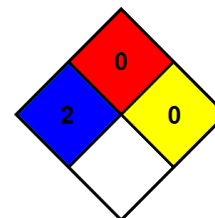
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Repr. 1B	Reproductive toxicity Category 1B
Repr. 2	Reproductive toxicity Category 2
Skin Sens. 1	Skin sensitization, Category 1
H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H350	May cause cancer
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H361	Suspected of damaging fertility or the unborn child
H362	May cause harm to breast-fed children
R22	Harmful if swallowed
R40	Limited evidence of a carcinogenic effect
R43	May cause sensitization by skin contact
R45	May cause cancer
R49	May cause cancer by inhalation
R60	May impair fertility
R61	May cause harm to the unborn child
R62	Possible risk of impaired fertility
R63	Possible risk of harm to the unborn child
Xn	Harmful

- NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
- NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

- Health : 2 Moderate Hazard - Temporary or minor injury may occur
- Flammability : 0 Minimal Hazard
- Physical : 0 Minimal Hazard

CIL Multi-Solvent Mixture SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product