

## Safety Data Sheet

according to UK REACH Regulation

### Steroids Mix 2; 10 µg/ml in Acetonitrile

Revision date: 17.04.2026

Product code: ST\_MIX021-AMP

Page 1 of 11

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

##### 1.1. Product identifier

Steroids Mix 2; 10 µg/ml in Acetonitrile

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

###### Use of the substance/mixture

Reference standard for analysis.

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

Company name:	WITEGA Laboratorien Berlin-Adlershof GmbH	
Street:	James-Franck-Strasse 4	
Place:	D-12489 Berlin	
Telephone:	+493063922001	Telefax: +493063922007
E-mail:	witega@witega.de	
Internet:	www.witega.de	

##### 1.4. Emergency telephone number:

+493063922001

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### GB CLP Regulation

Hazard Statements:  
Highly flammable liquid and vapour.  
Harmful if swallowed, in contact with skin or if inhaled.  
Causes serious eye irritation.

##### 2.2. Label elements

###### GB CLP Regulation

Signal word: Danger

Pictograms:



###### Hazard statements

H225	Highly flammable liquid and vapour.
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.
H319	Causes serious eye irritation.

###### Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P381	In case of leakage, eliminate all ignition sources.

##### 2.3. Other hazards

No data available

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

## Safety Data Sheet

according to UK REACH Regulation

### Steroids Mix 2; 10 µg/ml in Acetonitrile

Revision date: 17.04.2026

Product code: ST\_MIX021-AMP

Page 2 of 11

#### Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
75-05-8	acetonitrile; cyanomethane			95 - < 100 %
	200-835-2	608-001-00-3		
	Flam. Liq. 2, Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2; H225 H332 H312 H302 H319			
1093-58-9	Clostebol			< 0.1 %
	Carc. 2; H351			
84-17-3	Dienestrol			< 0.1 %
	Carc. 1B, Repr. 2; H350 H361			
26538-44-3	Zeranol			< 0.1 %
	Carc. 2, Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2B, STOT SE 3; H351 H332 H312 H302 H315 H320 H335			
42422-68-4	Taleranol			< 0.1 %
	Carc. 2, Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2B, STOT SE 3; H351 H332 H312 H302 H315 H320 H335			
514-61-4	Normethandrolone			< 0.1 %
	Carc. 2, Repr. 1A, Acute Tox. 3, Acute Tox. 3, Acute Tox. 4; H351 H360 H331 H301 H312			
84-16-2	Hexestrol			< 0.1 %
	Carc. 1B; H350			
56-53-1	Diethylstilbestrol			< 0.1 %
	Carc. 1A, Repr. 1A, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H350 H360 H315 H319 H335 H400 H410			
20708-81-0	17-alpha-Nortestosterone			< 0.1 %
	Repr. 2, Acute Tox. 4, Acute Tox. 4, Acute Tox. 4; H361 H332 H312 H302			
58-18-4	Methyltestosterone			< 0.1 %
	Carc. 1B, Repr. 2; H350 H361			
20401-12-1	17-O-Methylboldenone			< 0.1 %
	Carc. 2, Repr. 1A, Lact., Aquatic Chronic 3; H351 H360FD H362 H412			
846-48-0	17β-Boldenone			< 0.1 %
	Carc. 2, Repr. 1A, Lact., Aquatic Chronic 3; H351 H360FD H362 H412			
434-22-0	Nortestosterone			< 0.1 %
	Carc. 2, Lact.; H351 H362			
10161-33-8	Trenbolone			< 0.1 %
	Repr. 1B; H360			
27833-18-7	17-alpha-Boldenone			< 0.1 %
	Carc. 2, Repr. 1B, Aquatic Chronic 3; H351 H360FD H412			
155021-07-1	17a-Clostebol			< 0.1 %
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335			
16318-49-3	Chlorandrostenedione (CLAD)			< 0.1 %
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335			
10418-03-8	Stanozolol			< 0.1 %
	Repr. 2; H361			
80657-17-6	17a-Trenbolone			< 0.1 %

## Safety Data Sheet

according to UK REACH Regulation

### Steroids Mix 2; 10 µg/ml in Acetonitrile

Revision date: 17.04.2026

Product code: ST\_MIX021-AMP

Page 3 of 11

	Carc. 2, Repr. 1B; H351 H360	
439791-84-1	(5a,16β)-17-Methyl-1'H-androstano[3,2-c]pyrazol-16,17-diol	< 0.01 %
	Carc. 2, Repr. 1A; H351 H360FD	
125590-76-3	(5a,16β)-17-Methyl-2'H-androstano[3,2-c]pyrazol-16,17-diol	< 0.01 %
	Carc. 2, Repr. 1A; H351 H360FD	

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
75-05-8	200-835-2	acetonitrile; cyanomethane	95 - < 100 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 988 mg/kg; oral: ATE = 500 mg/kg	
26538-44-3		Zeranol	< 0.1 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg	
42422-68-4		Taleranol	< 0.1 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg	
514-61-4		Normethandrolone	< 0.1 %
		inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: LD50 = 9.36 mg/kg	
84-16-2		Hexestrol	< 0.1 %
		oral: LD50 = >2000 mg/kg	
56-53-1		Diethylstilbestrol	< 0.1 %
		oral: LD50 = >3000 mg/kg	
20708-81-0		17-alpha-Nortestosterone	< 0.1 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg	
58-18-4		Methyltestosterone	< 0.1 %
		oral: LD50 = 2500 mg/kg	
27833-18-7		17-alpha-Boldenone	< 0.1 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

#### After contact with skin

Remove contaminated, saturated clothing immediately. Subsequently wash off with: Water and soap

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink plenty of water. Get immediate medical advice/attention.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps.

## Safety Data Sheet

according to UK REACH Regulation

### Steroids Mix 2; 10 µg/ml in Acetonitrile

Revision date: 17.04.2026

Product code: ST\_MIX021-AMP

Page 4 of 11

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

No data available

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

No data available

### SECTION 5: Firefighting measures

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Water spray jet. Foam. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>).

#### **5.2. Special hazards arising from the substance or mixture**

In case of fire may be liberated: Pyrolysis products, toxic. In case of fire and/or explosion do not breathe fumes.

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

### SECTION 6: Accidental release measures

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **General advice**

Use personal protection equipment. Do not breathe gas/fumes/vapour/spray.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

#### **6.3. Methods and material for containment and cleaning up**

##### **Other information**

Take up dust-free and set down dust-free.

#### **6.4. Reference to other sections**

Disposal: see section 13

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

##### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

##### **Advice on general occupational hygiene**

Use personal protection equipment.

#### **7.2. Conditions for safe storage, including any incompatibilities**

##### **Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place. Avoid: UV-radiation/sunlight

##### **Further information on storage conditions**

storage temperature: 2-8°C

#### **7.3. Specific end use(s)**

none

### SECTION 8: Exposure controls/personal protection

#### **8.1. Control parameters**

## Safety Data Sheet

according to UK REACH Regulation

### Steroids Mix 2; 10 µg/ml in Acetonitrile

Revision date: 17.04.2026

Product code: ST\_MIX021-AMP

Page 5 of 11

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
75-05-8	Acetonitrile	40	68		TWA (8 h)	WEL
		60	102		STEL (15 min)	WEL

#### 8.2. Exposure controls

##### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Eye glasses with side protection

##### Hand protection

Wear suitable gloves. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

##### Skin protection

lab coat

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	colourless	
Boiling point or initial boiling point and boiling range:		No data available
Flammability:		No data available
Lower explosion limits:		No data available
Upper explosion limits:		No data available
Flash point:		No data available
Auto-ignition temperature:		No data available
Decomposition temperature:		No data available
pH-Value:		No data available
Water solubility:		No data available
Solubility in other solvents		
No data available		
Partition coefficient n-octanol/water:		No data available
Vapour pressure:		No data available
Density:		No data available
Relative vapour density:		No data available

#### 9.2. Other information

##### Information with regard to physical hazard classes

Self-ignition temperature

Solid:

No data available

Gas:

No data available

##### Other safety characteristics

Evaporation rate:

No data available

## SECTION 10: Stability and reactivity

## Safety Data Sheet

according to UK REACH Regulation

### Steroids Mix 2; 10 µg/ml in Acetonitrile

Revision date: 17.04.2026

Product code: ST\_MIX021-AMP

Page 6 of 11

#### **10.1. Reactivity**

Reacts with : Oxidising agent, Alkali (lye), Etchant and acids

#### **10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

#### **10.3. Possibility of hazardous reactions**

No known hazardous reactions.

#### **10.4. Conditions to avoid**

Do not expose to temperatures exceeding 50 °C/122 °F.

#### **10.5. Incompatible materials**

Oxidising agent, Alkali (lye), Etchant and acids

#### **10.6. Hazardous decomposition products**

In case of fire may be liberated: Pyrolysis products, toxic.

### SECTION 11: Toxicological information

#### **11.1. Information on hazard classes as defined in GB CLP Regulation**

##### **Acute toxicity**

Harmful if swallowed, in contact with skin or if inhaled.

## Safety Data Sheet

according to UK REACH Regulation

### Steroids Mix 2; 10 µg/ml in Acetonitrile

Revision date: 17.04.2026

Product code: ST\_MIX021-AMP

Page 7 of 11

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
75-05-8	acetonitrile; cyanomethane				
	oral	ATE mg/kg	500		
	dermal	LD50 mg/kg	988	Rabbit	IUCLID
	inhalation vapour	ATE	11 mg/l		
	inhalation dust/mist	ATE	1,5 mg/l		
26538-44-3	Zeranol				
	oral	ATE mg/kg	500		
	dermal	ATE mg/kg	1100		
	inhalation vapour	ATE	11 mg/l		
	inhalation dust/mist	ATE	1,5 mg/l		
42422-68-4	Taleranol				
	oral	ATE mg/kg	500		
	dermal	ATE mg/kg	1100		
	inhalation vapour	ATE	11 mg/l		
	inhalation dust/mist	ATE	1,5 mg/l		
514-61-4	Normethandrolone				
	oral	LD50 mg/kg	9.36	Rat	
	dermal	ATE mg/kg	1100		
	inhalation vapour	ATE	3 mg/l		
	inhalation dust/mist	ATE	0,5 mg/l		
84-16-2	Hexestrol				
	oral	LD50 mg/kg	>2000	Rat	
56-53-1	Diethylstilbestrol				
	oral	LD50 mg/kg	>3000	Rat	
20708-81-0	17-alpha-Nortestosterone				
	oral	ATE mg/kg	500		
	dermal	ATE mg/kg	1100		
	inhalation vapour	ATE	11 mg/l		
	inhalation dust/mist	ATE	1,5 mg/l		
58-18-4	Methyltestosterone				
	oral	LD50 mg/kg	2500	Rat	
27833-18-7	17-alpha-Boldenone				
	oral	LD50 mg/kg	>2000	Rat	

## Safety Data Sheet

according to UK REACH Regulation

### Steroids Mix 2; 10 µg/ml in Acetonitrile

Revision date: 17.04.2026

Product code: ST\_MIX021-AMP

Page 8 of 11

	dermal	LD50 mg/kg	>2000	Rat		
--	--------	---------------	-------	-----	--	--

#### Irritation and corrosivity

Serious eye damage/eye irritation: Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

#### Sensitising effects

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Specific effects in experiment on an animal

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

Based on available data, the classification criteria are not met.

No data available

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
75-05-8	acetonitrile; cyanomethane					
	Acute fish toxicity	LC50 mg/l	1640	96 h	Pimephales promelas	IUCLID

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
75-05-8	acetonitrile; cyanomethane	-0,34

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### 12.7. Other adverse effects

No data available

## Safety Data Sheet

according to UK REACH Regulation

### Steroids Mix 2; 10 µg/ml in Acetonitrile

Revision date: 17.04.2026

Product code: ST\_MIX021-AMP

Page 9 of 11

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

###### Disposal recommendations

Dispose of waste according to applicable legislation.

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

###### Contaminated packaging

This material and its container must be disposed of as hazardous waste.

#### SECTION 14: Transport information

##### Land transport (ADR/RID)

<b>14.1. UN number or ID number:</b>	UN 1648
<b>14.2. UN proper shipping name:</b>	ACETONITRILE
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3



Classification code:	F1
Special Provisions:	274 601 640C
Limited quantity:	1 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	33
Tunnel restriction code:	D/E

##### Inland waterways transport (ADN)

<b>14.1. UN number or ID number:</b>	UN 1648
<b>14.2. UN proper shipping name:</b>	ACETONITRILE
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3



Classification code:	F1
Special Provisions:	274 601 640C
Limited quantity:	1 L
Excepted quantity:	E2

##### Marine transport (IMDG)

<b>14.1. UN number or ID number:</b>	UN 1648
<b>14.2. UN proper shipping name:</b>	ACETONITRILE
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3



Special Provisions:	-
Limited quantity:	1 L

## Safety Data Sheet

according to UK REACH Regulation

### Steroids Mix 2; 10 µg/ml in Acetonitrile

Revision date: 17.04.2026

Product code: ST\_MIX021-AMP

Page 10 of 11

Excepted quantity: E2  
EmS: F-E, S-D

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** UN 1648  
**14.2. UN proper shipping name:** ACETONITRILE  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Special Provisions: A3  
Limited quantity Passenger: 1 L  
Passenger LQ: Y341  
Excepted quantity: E2  
IATA-packing instructions - Passenger: 353  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 364  
IATA-max. quantity - Cargo: 60 L

#### 14.6. Special precautions for user

No transport as bulk according to IBC Code.

#### 14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

#### Other applicable information

Hazchem code: •2YE

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU regulatory information

Restrictions on use (REACH, annex XVII):  
Entry 40, Entry 75

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 2 - obviously hazardous to water

#### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

### SECTION 16: Other information

## Safety Data Sheet

according to UK REACH Regulation

### Steroids Mix 2; 10 µg/ml in Acetonitrile

Revision date: 17.04.2026

Product code: ST\_MIX021-AMP

Page 11 of 11

#### Abbreviations and acronyms

Flam. Liq: Flammable liquids  
Acute Tox: Acute toxicity  
Skin Irrit: Skin irritation  
Eye Irrit: Eye irritation  
Carc: Carcinogenicity  
Repr: Reproductive toxicity  
Lact: Lactation effects  
STOT SE: Specific target organ toxicity - single exposure  
Aquatic Acute: Acute aquatic hazard  
Aquatic Chronic: Chronic aquatic hazard

#### Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H350	May cause cancer.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H360FD	May damage fertility. May damage the unborn child.
H361	Suspected of damaging fertility or the unborn child.
H362	May cause harm to breast-fed children.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

#### Further Information

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The substances are only for R&D. Do not use as a drug, in household or other applications.

---

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*