

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1	Product identifier Trade name	:	Trenbolone Acetate Formulation
1.2	Relevant identified uses of th	ne s	ubstance or mixture and uses advised against
	Use of the Sub- stance/Mixture		Veterinary product
	Recommended restrictions on use	:	Not applicable
1.3	Details of the supplier of the	saf	ety data sheet
	Company	:	MSD Walton Manor, Walton MK7 7AJ Milton Keynes - United Kingdom
	Telephone	:	+1-908-740-4000
	E-mail address of person responsible for the SDS	:	EHSDATASTEWARD@msd.com

1.4 Emergency telephone number

+1-908-423-6000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Carcinogenicity, Category 2 Reproductive toxicity, Category 2

Specific target organ toxicity - repeated exposure, Category 1 Long-term (chronic) aquatic hazard, Category 1 H351: Suspected of causing cancer.
H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child.
H372: Causes damage to organs through prolonged or repeated exposure.
H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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Hazard pictograms				<u>7</u> 2
Signa	l word	: Da	nger	•
Haza	rd statements	: H3 H3	61fd Susp	ected of causing cancer. ected of damaging fertility. Suspected of aging the unborn child.
		H3		es damage to organs through prolonged or ated exposure.
		H4		toxic to aquatic life with long lasting effects.
Preca	autionary statements	: Pre	evention:	
		P2 P2 P2 P2	60 Don 73 Avoid 80 Weat	in special instructions before use. of breathe dust. I release to the environment. • protective gloves/ protective clothing/ eye ction/ face protection.
		Re	sponse:	
		P3	08 + P313 IF atten	exposed or concerned: Get medical advice/ tion.
		P3		ct spillage.

Hazardous components which must be listed on the label: 17β-hydroxyestra-4,9,11-trien-3-one 17-acetate

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Dust contact with the eyes can lead to mechanical irritation.

Contact with dust can cause mechanical irritation or drying of the skin.

May form explosive dust-air mixture during processing, handling or other means.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
17β-hydroxyestra-4,9,11-trien-3-one 17-acetate	10161-34-9 233-432-5	Carc. 2; H351 Repr. 2; H361fd STOT RE 1; H372 (Endocrine system, Blood) Aquatic Chronic 1;	>= 50 - < 70

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			H410
			M-Factor (Chronic aquatic toxicity): 1,000
Subst	tances with a workpla	ce exposure limit :	
Talc		14807-96- 238-877-9	

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measured	sures	5
General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
If inhaled	:	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.
4.2 Most important symptoms a	and e	effects, both acute and delayed
Risks	:	Suspected of causing cancer. Suspected of damaging fertility. Suspected of damaging the unborn child. Causes damage to organs through prolonged or repeated exposure.
		Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation.



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4.3 Indication of any immediate medical attention and special treatment needed

Treatment	: Treat symptomatically and supportively.
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SECTION 5: Firefighting measures

5.1	Extinguishing media Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
	Unsuitable extinguishing media	:	None known.
5.2	Special hazards arising from	the	e substance or mixture
	Specific hazards during fire- fighting	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.
	Hazardous combustion prod- ucts	:	Carbon oxides Metal oxides
5.3	Advice for firefighters		
	Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
	Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
6.2 Environmental precautions	

Environmental precautions	: Avoid release to the environment.
	Prevent further leakage or spillage if safe to do so.
	Retain and dispose of contaminated wash water.
	If spillage enters rivers or watercourses, inform the Environ-
	ment Agency (emergency telephone number 0800 807060).



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6.3 Methods and material for containment and cleaning up

Methods for cleaning up	 Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Local or national regulations may apply to releases and dis-
	posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter- mine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures	: Static electricity may accumulate and ignite suspended dust causing an explosion.
	Provide adequate precautions, such as electrical grounding
	and bonding, or inert atmospheres.
Local/Total ventilation	: Use only with adequate ventilation.
Advice on safe handling	: Do not breathe dust.
	Do not swallow.
	Avoid contact with eyes.
	Avoid prolonged or repeated contact with skin.
	Wash skin thoroughly after handling.
	Handle in accordance with good industrial hygiene and safety
	practice, based on the results of the workplace exposure as- sessment
	Minimize dust generation and accumulation.
	Keep container closed when not in use.
	Keep away from heat and sources of ignition.
	Take precautionary measures against static discharges.
	Do not eat, drink or smoke when using this product.
	Take care to prevent spills, waste and minimize release to the
	environment.
Hygiene measures	: If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.
	The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.



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Requi	tions for safe storage, irements for storage and containers		Keep in properly	patibilities labelled containers. Store locked up. Store in the particular national regulations.	
Advic	e on common storage	:	Do not store with the following product types: Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Explosives Gases		
-	fic end use(s)		No data available	A CONTRACTOR OF	

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

dust of any kind

10 mg/m3 Value type (Form of exposure): TWA (Inhalable) Basis: GB EH40

4 mg/m3

Value type (Form of exposure): TWA (Respirable fraction) Basis: GB EH40

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
17β-hydroxyestra- 4,9,11-trien-3-one 17-acetate	10161-34-9	TWA	0.2 μg/m3 (OEB 5)	Internal
		Wipe limit	2 µg/100 cm ²	Internal
Talc	14807-96-6	TWA (Respirable dust)	1 mg/m3	GB EH40

8.2 Exposure controls

Engineering measures

Use closed processing systems or containment technologies to control at source (e.g., glove boxes/isolators) and to prevent leakage of compounds into the workplace.

All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.

No open handling permitted.

Totally enclosed processes and materials transport systems are required.

Operations require the use of appropriate containment technology designed to prevent leakage of compounds into the workplace.

Personal protective equipment

Eye/face protection : Wear safety glasses with side shields or goggles.



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		mists or aeros Wear a faces	vironment or activity involves dusty conditions, sols, wear the appropriate goggles. hield or other full face protection if there is a lirect contact to the face with dusts, mists, or
Hand	protection		
Ma	aterial	: Chemical-resi	stant gloves
	emarks and body protection	Additional boo being perform suits) to avoid	or laboratory coat. dy garments should be used based upon the task ed (e.g., sleevelets, apron, gauntlets, disposable exposed skin surfaces. te degowning techniques to remove potentially
	ratory protection ter type	: If adequate lo sure assessm ommended gu	cal exhaust ventilation is not available or expo- ent demonstrates exposures outside the rec- udelines, use respiratory protection. ould conform to BS EN 143

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Information on basic physical	an	d chemical properties
Appearance Colour Odour Odour Threshold	:	powder No data available No data available No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available

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	Relativ	e density	:	No data available	e
	Density	/	:	No data available	e
	Partitio octano	ter solubility n coefficient: n-	::	No data available No data available No data available	e
	Decom	position temperature	:	No data available	e
	Viscosi Visc	ity cosity, kinematic	:	No data available	e
	Explosi	ive properties	:	Not explosive	
	Oxidizi	ng properties	:	The substance o	r mixture is not classified as oxidizing.
9.2 C	Other ir	nformation			
	Flamm	ability (liquids)	:	No data available	e
	Molecu	ılar weight	:	No data available	e
	Particle	e size	:	No data available	9

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions Hazardous reactions : May form explosive dust-air mixture during processing, handling or other means. Can react with strong oxidizing agents.

10.4 Conditions to avoid

Conditions to avoid

: Heat, flames and sparks. Avoid dust formation.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products are known.



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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of : Inhalation exposure Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.

Components:

17β-hydroxyestra-4,9,11-trien-3-one 17-acetate:

Acute oral toxicity $\cdot \cdot \cdot \cdot = LDJU$ (Ital). $> J,000 \text{ Ing/r}$	Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg
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LD50 (Mouse): 2,700 mg/kg

Talc:

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
		Remarks: Based on data from similar materials

Skin corrosion/irritation

Not classified based on available information.

Components:

Talc:

Species	:	Rabbit
Result	:	No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Components:

Talc:

Species	:	Rabbit
Result	:	No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Talc:

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Exposure routes Species Result		: Skin contact : Humans : negative	
	cell mutagenicity assified based on avai	able information.	
<u>Comp</u>	onents:		
17β-hy	/droxyestra-4,9,11-tr	en-3-one 17-acetate:	
Genote	oxicity in vitro		erial reverse mutation assay (AMES) monella typhimurium
		Test Type: Micro Test system: Ch Result: negative	nucleus test inese hamster fibroblasts
Genote	oxicity in vivo	: Test Type: Micro Species: Mouse Result: negative	nucleus test
		Test Type: Micro Species: Rat Result: negative	nucleus test
Germ sessm	cell mutagenicity- As- ent	: Weight of eviden cell mutagen.	ce does not support classification as a ger
Talc:			
Genote	oxicity in vitro		damage and repair, unscheduled DNA syn alian cells (in vitro)
Genote	oxicity in vivo	: Test Type: Chron Species: Rat Application Rout Result: negative	mosome aberration test in vitro e: Ingestion
	ogenicity cted of causing cance		
<u>Comp</u>	onents:		
17β-hy	/droxyestra-4,9,11-tr	en-3-one 17-acetate:	
Result	ation Route	: Mouse, male and : Oral : positive : Liver	d female
Specie Applica	es ation Route	: Rat, male and fe : Oral	male

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ersion .3	Revision Date: 28.09.2024		OS Number: 72831-00008	Date of last issue: 06.04.2024 Date of first issue: 27.08.2021	
Resul Targe	lt et Organs	:	positive Pancreas		
Carci ment	nogenicity - Assess-	:	Limited evidence of carcinogenicity in animal studies		
	cation Route sure time	:	Mouse inhalation (dust 2 Years negative	/mist/fume)	
Suspe	oductive toxicity ected of damaging fertil ponents:	lity. S	Suspected of dam	naging the unborn child.	
17β-ŀ	nydroxyestra-4,9,11-tr	ien-3	one 17-acetate	:	
Effect	ts on fertility	:	Species: Rat Application Rou	.: 0.18 mg/kg body weight	
Effect ment	ts on foetal develop-	:	Test Type: Embryo-foetal development Species: Rat Application Route: oral (feed) Developmental Toxicity: LOAEL: 20 mg/kg body weight Result: Malformations were observed.		
Repro sessn	oductive toxicity - As- nent	:	fertility, based o	of adverse effects on sexual function and on animal experiments., Some evidence of on development, based on animal experi-	
Talc:					
Effect ment	ts on foetal develop-	:	Test Type: Emb Species: Rat Application Rou Result: negative		
	Γ - single exposure lassified based on avail	lable	information.		
	- repeated exposure				
	es damage to organs th ponents:	nroug	h prolonged or re	epeated exposure.	
Expos	nydroxyestra-4,9,11-tr sure routes et Organs	ien-3 : :	Ingestion Endocrine syste		
2			-		

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As	Assessment		luses damage t posure.	o organs through prolonged or repeated
Re	Repeated dose toxicity			
<u>Cc</u>	omponents:			
17	β-hydroxyestra-4,9,11-tr	ien-3-on	e 17-acetate:	
NC LC Ex	ecies DAEL DAEL posure time rget Organs	: 0. : 14	004 mg/kg 08 mg/kg Weeks	er, Uterus (including cervix)
NC LC Ap Ex	ecies DAEL DAEL plication Route posure time rget Organs	: 3. : Or : 23)4 mg/kg 6 mg/kg	
NC LC Ap Ex	ecies DAEL DAEL plication Route posure time rget Organs	: 0.0 : 0. : Or : 12	onkey, female)1 mg/kg 04 mg/kg al 2 Days nale reproducti [,]	ve organs
NC LC Ap Ex	ecies DAEL DAEL plication Route posure time rget Organs	: 0.0 : 0. : Or : 30	onkey, male 002 mg/kg 04 mg/kg al Days ale reproductive	organs
NC LC Ap Ex	ecies DAEL DAEL polication Route posure time rget Organs	: 0. : Or : 31	05 mg/kg 1 mg/kg al Months	organs, Ovary, Uterus (including cervix)
Δ٩	niration toxicity			

Aspiration toxicity

Not classified based on available information.

Experience with human exposure

Components:

17β-hydroxyestra-4,9,11-trien-3-one 17-acetate:

Ingestion

: Symptoms: male reproductive effects, gynecomastia, changes in libido



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SECTION 12: Ecological information

12.1 Toxicity

Components:

17β-hydroxyestra-4,9,11-trien-3-one 17-acetate:

Toxicity to fish (Chronic tox- icity)	:	NOEC: 0.000035 mg/l Exposure time: 21 d Species: Pimephales promelas (fathead minnow) Method: OECD Test Guideline 229 Remarks: Based on data from similar materials
M-Factor (Chronic aquatic toxicity)	:	1,000
Talc:		
Toxicity to fish	:	LC50 (Brachydanio rerio (zebrafish)): > 100,000 mg/l Exposure time: 24 h

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Components:

17β-hydroxyestra-4,9,11-trien-3-one 17-acetate: Partition coefficient: n- : log Pow: 3.77

octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Endocrine disrupting poten-	:	This substance/mixture does not contain components consid-
tial		ered to have endocrine disrupting properties for environment
		according to UK REACH Article 57(f).



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SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Product	 Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Do not dispose of waste into sewer.
Contaminated packaging	 Empty containers should be taken to an approved waste han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number

IMDG

ADN	:	UN 3077	
ADR	:	UN 3077	
RID	:	UN 3077	
IMDG	:	UN 3077	
ΙΑΤΑ	:	UN 3077	
14.2 UN proper shipping name			
ADN	:	N.O.S.	Y HAZARDOUS SUBSTANCE, SOLID,
		(T/p-nyuloxyestra-4,	9,11-trien-3-one 17-acetate)
ADR	:	N.O.S.	Y HAZARDOUS SUBSTANCE, SOLID, 9,11-trien-3-one 17-acetate)
RID	:	N.O.S.	Y HAZARDOUS SUBSTANCE, SOLID, 9,11-trien-3-one 17-acetate)
IMDG	:	N.O.S.	Y HAZARDOUS SUBSTANCE, SOLID, 9,11-trien-3-one 17-acetate)
ΙΑΤΑ	:		ardous substance, solid, n.o.s. 9,11-trien-3-one 17-acetate)
14.3 Transport hazard class(es)			
		Class	Subsidiary risks
ADN	:	9	
ADR	:	9	
RID	:	9	

: 9

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	ATA Packing	g group	:	9	
A P C H	DN Packing	group cation Code Identification Number	:	III M7 90 9	
P C H L	Classific lazard .abels	l group cation Code Identification Number restriction code		III M7 90 9 (-)	
P C H	Classific	group cation Code Identification Number	:	III M7 90 9	
P Li	MDG Packing abels EmS Co	l group ode	:	III 9 F-A, S-F	
P ai P P	ircraft) Packing	instruction (cargo	:	956 Y956 III Miscellaneous	
P gr P P	Packing er airci Packing	Passenger) i instruction (passen- raft) i instruction (LQ) i group	:	956 Y956 III Miscellaneous	
14.5 E	Enviror	nmental hazards			
	DN Inviron	mentally hazardous	:	yes	
	DR Inviron	mentally hazardous	:	yes	
	RID Environ	mentally hazardous	:	yes	
	MDG /larine	pollutant	:	yes	
		Passenger) mentally hazardous	:	yes	



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IATA (Cargo)

Environmentally hazardous : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks	:	Not applicable for product as supplied.
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SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (A	nnex 17)	:	Not applicable	
UK REACH Candidate list of sub concern (SVHC) for Authorisatio	, ,	:	Not applicable	
The Persistent Organic Pollutant Regulation (EU) 2019/1021 as a ain)	s Regulations (retained	:	Not applicable	
Regulation (EC) on substances t layer	hat deplete the ozone	:	Not applicable	
UK REACH List of substances s (Annex XIV)	ubject to authorisation	:	Not applicable	
GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation		:	Not applicable	
Control of Major Accident Hazards Regulations 2015 (COMAH)				
			Quantity 1	Quantity 2
E1	ENVIRONMENTAL HAZARDS		100 t	200 t

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

The components of this product are reported in the following inventories:

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

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15.2 Chemical safety assessment

GB EH40 / TWA

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information	1
Other information :	Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.
Full text of H-Statements	
H351 :	Suspected of causing cancer.
H361fd :	Suspected of damaging fertility. Suspected of damaging the unborn child.
H372 :	Causes damage to organs through prolonged or repeated exposure if swallowed.
H410 :	Very toxic to aquatic life with long lasting effects.
Full text of other abbreviation	s
Aquatic Chronic :	Long-term (chronic) aquatic hazard
Carc. :	Carcinogenicity
Repr. :	Reproductive toxicity
STOT RE :	Specific target organ toxicity - repeated exposure
GB EH40 :	UK. EH40 WEL - Workplace Exposure Limits

Long-term exposure limit (8-hour TWA reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road: AIIC - Australian Inventory of Industrial Chemicals: ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance: PICCS - Philippines Inventory of Chemicals and Chemical Substances: (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; UK REACH Regulations SI 2019/758



Trenbolone Acetate Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
4.3	28.09.2024	9372831-00008	Date of first issue: 27.08.2021

SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Sources of key data used to	:	Internal technical data, data from raw material SDSs, OECD
compile the Safety Data		eChem Portal search results and European Chemicals Agen-
Sheet		cy, http://echa.europa.eu/

Classification of the mixture:		Classification procedure:
Carc. 2	H351	Calculation method
Repr. 2	H361fd	Calculation method
STOT RE 1	H372	Calculation method
Aquatic Chronic 1	H410	Calculation method

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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