

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH)

Revision Date 30-Jul-2019

Version 1.03

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Product Name Trenbolone Acetate Standard
Product Code 208-16271
CAS RN 10161-34-9
Pure substance/mixture Substance

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

Recommended Use For research purposes.
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet**Manufacturer**

FUJIFILM Wako Pure Chemical Corporation
1-2 Doshomachi 3-Chome
Chuo-ku, Osaka 540-8605, Japan
Phone: +81 (0)6-6203-3741
Fax: +81 (0)6-6203-4640

Supplier

FUJIFILM Wako Chemicals GmbH
Fuggerstrasse 12, D-41468 Neuss, Germany
Phone: +49 (0)2131-311 158 Fax: +49 (0)2131-311 100
FUJIFILM Wako Chemicals USA, Inc.
1600 Bellwood Road, Richmond, VA 23237-1326, U.S.A.
Phone: +1 (0)804-271-7677 Fax: +1 (0)804-271-7791

For further information, please contact us.

1.4. Emergency telephone number

As above or toxicological information center

Emergency telephone +81-6-6203-3741

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

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

Reproductive Toxicity

Category 1B

2.2. Label elements

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

Pictograms

Signal word Danger

Hazard Statements

H360 - May damage fertility or the unborn child

Precautionary Statements

P201 - Obtain special instructions before use

P308 + P313 - IF exposed or concerned: Get medical advice/attention

2.3. Other hazards

General Hazards No information available

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical Name	EC No	CAS RN	Index No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Trenbolone acetate	233-432-5	10161-34-9	N/A	98.0	Repr. 1B: H360

3.3 Additional information

Impurities and/or Additives : Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air. If symptoms persist, call a physician.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.
Symptoms	No information available.
Note to physicians	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media	
Suitable Extinguishing media	Water spray, carbon dioxide (CO ₂), dry chemical, alcohol resistant foam.
Unsuitable Extinguishing media	No information available
5.2. Special hazards arising from the substance or mixture	Thermal decomposition can lead to release of irritating and toxic gases and vapors.
5.3. Advice for firefighters	
Special protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.
5.4. Additional information	No information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	For indoor, provide adequate ventilation process until the end of working. Deny unnecessary entry other than the people involved by, for example, using a rope. While working, wear appropriate protective equipments to avoid adhering it on skin, or inhaling the gas. Work from windward, and retract the people downwind.
For emergency responders	Use personal protection recommended in Section 8.
6.2. Environmental precautions	To be careful not discharged to the environment without being properly handled waste water contaminated. See Section 12 for additional ecological information.
6.3. Methods and material for	Sweep up and gather scattered particles, and collect it in an empty airtight container.

containment and cleaning up

Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.
6.4. Reference to other sections	See Section 12: Ecological Information, Section 13 : Disposal considerations

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Protective measures	Ensure adequate ventilation, especially in confined areas. Avoid contact with strong oxidizing agents. Handle in accordance with good industrial hygiene and safety practice.
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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Keep container protect from light tightly closed. Store in a cool (2-10 °C) place.
Packaging materials	Glass.

7.3. Specific end use(s)

Risk Management Methods (RMM)	No information available.
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SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Exposure limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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8.2. Exposure controls

Engineering controls	Ensure adequate ventilation, especially in confined areas.
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Personal protective equipment

Eye/face protection	Tight sealing safety goggles.
Skin and body protection	Long-sleeved work clothes. protective boots.
Respiratory protection	Dust mask.
Environmental exposure controls	No information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Color	White - pale yellowish brown
Appearance	crystals - powder
Odor	No data available
pH	No data available
pH value	
Melting point / melting range	No data available
Boiling point/boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability Limits in Air	
Upper	No data available
Lower	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific Gravity / Density	No data available
Solubility(ies)	methanol : soluble . water : practically insoluble,or insoluble .
Partition Coefficient (n-octanol/water)	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity	No data available
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10.2. Chemical stability

May be altered by light.

Explosion data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge none.

10.3. Possibility of hazardous reactions None under normal processing.**10.4. Conditions to avoid** Extremes of temperature and direct sunlight.**10.5. Incompatible materials** Strong oxidizing agents.**10.6. Hazardous decomposition products** Carbon monoxide (CO). Carbon dioxide (CO₂).**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity** No information available**Skin corrosion/irritation** No information available.**Serious eye damage/eye irritation** No information available.**Respiratory or skin sensitization** No information available**Germ cell mutagenicity** No information available.**Carcinogenicity** No information available.**Reproductive toxicity** May damage fertility or the unborn child.**STOT - single exposure** No information available**STOT - repeated exposure** No information available.**Aspiration hazard** No information available.**CMR Effects** No information available

To the best of our knowledge, chemical, physical and toxicological properties have not been fully investigated.

SECTION 12: Ecological information**12.1. Toxicity** No information available**12.2. Persistence and degradability** No information available.**12.3. Bioaccumulative potential** No information available.**12.4. Mobility in soil** No information available.**12.5. Results of PBT and vPvB assessment** No information available**12.6. Other adverse effects** No information available**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Method of disposing waste from residues / unused products** Disposal should be in accordance with applicable regional, national and local laws and regulations.**Precautionary including method of disposing contaminated packaging** Improper disposal or reuse of this container may be dangerous and illegal.**SECTION 14: Transport information**

IMDG	Not regulated
14.1 UN/ID No	-
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	Not applicable
14.6 Special provisions	Not regulated
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

IATA	Not regulated
14.1 UN/ID No	-
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	Not applicable
14.6 Special provisions	Not regulated

ADR/RID	Not regulated
14.1 UN/ID No	-
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	Not applicable
14.6 Special provisions	Not regulated

SECTION 15: Regulatory information

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

Water hazard class (WGK) No information available

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

TSCA	-
EINECS/ELINCS	Listed
DSL	-
NDSL	-
ENCS	-

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

Revision Date 30-Jul-2019

Key or legend to abbreviations and acronyms used in the safety data sheet

No information available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet