

1. Identification of the substance/preparation and of the company

Product details

Trade Name: Tween™ 80

Product Name: Tween™ 80

Catalogue-No.: M3173

Manufacturer / Supplier:

Genaxxon bioscience GmbH, Söflinger Str. 100, 89077 Ulm/Germany.
Tel.: +49 (0)731 3608 123

Further information available from:

Genaxxon bioscience GmbH, Söflinger Str. 100, 89077 Ulm/Germany.
Tel.: +49 (0)731 3608 123

Information in case of emergency:

Genaxxon bioscience GmbH, Söflinger Str. 100, 89077 Ulm/Germany.
Tel.: +49 (0)731 3608 123

MSDS-No: tween80/1

NOTE: If this product is a kit or supplied with more than one material, please refer to the MSDS for each component for hazard information.

Product Use:

This products are for laboratory research use only and are not intended for human or animal diagnostics, therapeutics or other clinical uses.

2. Composition/information on ingredients

Chemical characterisation

Description: Solution of different components for staining proteins on membranes

Product Name	Hazardous symbol	CAS #	EC no	Annex I / Index Number
Tween™ 80	- - -	9005-65-6	500-019-9	none
Synonyms	Polyethylene glycol sorbitan monooleate, Polyoxyethylenesorbitan monooleate, Polysorbate 80			
Molecular Weight:	1310 g/mol	Formula:		

3. Hazardous identification

Hazard description: Not hazardous according to Directive 67/548/EEC.

Information concerning particular hazards for human and environment:

Not applicable.

4. First-aid measures

After inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing becomes difficult, call a physician.

After contact with skin: In case of contact, immediately wash skin with soap and copious amounts of water.

After contact with eyes: Rinse immediately with plenty of water and seek medical advice. Assure adequate flushing by separating eyelids with fingers.

After swallowing: If swallowed, wash out mouth with plenty of water provided person is conscious. Call for doctor immediately.

5. Fire-fighting measures

Suitable extinguishing agents: Water Spray. Carbon Dioxide. Dry chemical powder, or appropriate foam.

Special risks: Specific Hazard(s): Not inflammable. Fumes heavier than air. Emits toxic fumes under fire conditions.

Protective equipment (For firefighters): Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. Accidental release measures

Procedure(s) of personal precaution(s):
Avoid breathing vapors, mist or gas. Open windows for fresh air.

Environmental precautions:

Do not let product enter drains.

Measures for cleaning/collecting:

Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Additional information: None.

7. Handling and storage

Handling

Information for safe handling:

Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Information about fire – and explosion protection: No special measures required.

Storage:

Requirements to be met by storerooms and receptacles: Keep bottles well closed.

Information about storage in one common storage facility: Keep bottles well closed.

Further information about storage conditions: Keep tightly closed. Store at RT.

Special requirements: No special measures required.

8. Exposure controls / personal protection

Additional information about design of technical facilities: No further data.

Engineering controls: Safety shower and eye bath.

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Respiratory protection is not required. Where protection is desired, use multi-purpose combination (UN) or type ABEK (EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Personal protective equipment:

Protection of hands: For prolonged or repeated contact use protective gloves.

Materials of gloves: The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye protection: Safety glasses.



9. Physical and chemical properties

General Information

Form:	Liquid
Colour:	yellow
Odour:	odourless

Change in conditions

Melting point/Melting range:	No data available
Boiling point/Boiling range:	100°C
Flash point:	> 180°C
Ignition temperature:	data not available
Lower explosion limit:	data not available
Upper explosion limit:	data not available
Vapour pressure:	< 1 hPa at 20°C
SG/Density:	1.08 g/cm ³ (20°C)
Solubility in / Miscibility in:	Water (20°C): soluble Ethanol (20°C): soluble
pH value at 20°C:	5-7

10. Stability and reactivity

Stability: Stable

Thermal composition / conditions to be avoided: Avoid strong heating.

Materials to avoid: Strong acids, Strong bases, Strong oxidizing agents.

Dangerous decomposition products: Carbon monoxide, Carbon dioxide, Nitrogen oxides.

Hazardous Polymerisation: Will not occur.

11. Toxicological information

Acute Toxicity

LD50 (oral – Mouse): 25 g/kg

Irritation Data

Skin (Rabbit): Mild skin irritation – 24h

Eyes (Rabbit): Mild eye irritation

Sensitisation: No data available.

Chronic exposure

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Signs and Symptoms of Exposure:

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

Additional Toxicological Information

After inhalation: May be harmful if inhaled. Material may be irritating to mucous membrane and upper respiratory tract.
After skin contact: May be harmful if absorbed through skin. May cause irritation of skin
After contact with eyes: May cause irritation of eyes
After swallowing: May be harmful if swallowed.

The product should be treated with usual precautions while handling chemicals.

12. Ecological Information

Biological Degradation (persistence and degradability)

No data available

Exotoxicity effects

No data available

General notes:

If handled accordingly no ecological problems are expected.

13. Disposal considerations

Product:

Recommendation: Must not be disposed together with household garbage. Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

Uncleaned packaging:

Recommendation: Dispose as unused product.

Recommended cleaning agents: Water, if necessary together with cleansing agents.

14. Transport information

Land transport ADR/RID (cross border)

ADR/RID class: Non-hazardous for road transport.

Maritime transport IMDG:

IMDG Class: Non-hazardous for sea transport.

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: Non-hazardous for air transport.

15. Regulatory information

Classification and Labelling according to EU guidelines:

Indication of danger: None

R-Phrases: ---

S-Phrases: ---

Not hazardous according to Directive 67/548/EEC

National Regulations: Germany

Waterhazard class: Water hazard class 1 (Self-assessment).

Material Safety Data Sheet
According to 91/155EC
Polysorbate80
Printing Date: 18.12.2010
Reviewed on: 18.12.2010



GENAXXON
b i o s c i e n c e

16. Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Genaxxon BioScience GmbH, shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Disclaimer

This product is for R&D use only. Not for drug, household or other uses.