

SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-05-23

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Tween 20
Article number: 16-0023

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

Identified uses: Laboratory chemical

1.3 Details of the supplier of the safety data sheet

Company: Medicago AB
Danmark Berga 13
755 98 Uppsala
Telephone: +46 (0) 18 56 11 80
Facsimile: +46 (0) 18 56 11 88
E-mail address: info@medicago.se

1.4 Emergency telephone number

Emergency telephone number: Giftinformationscentralen 112

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) Nr 1272/2008 (EU-GHS/CLP)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

Labelling according to Regulation (EC) Nr 1272/2008 (EU-GHS/CLP)

The product does not need to be labelled in accordance with EC directives or respective national laws.

Complementary hazard information
None

2.3 Other hazards

May irritate eyes.
May irritate skin.
Ingestion may cause irritation to mucous membranes.
May cause irritation of respiratory tract.

3. Composition/information on ingredients

3.1 Substances

No dangerous ingredients according to Regulation (EC) No. 1907/2006

4. First aid measures

4.1 Description of first aid measures

If swallowed	If large quantities of this material are swallowed, call a physician immediately.
If inhaled	If symptoms persist, call a physician.
In case of skin contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
	If symptoms persist, call a physician.
In case of eye contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	If eye irritation persists, consult a specialist.
General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.

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.

5. Fire fighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Do not use high volume water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting: Do not use a solid water stream as it may scatter and spread the fire.

5.3 Advice for fire fighters

In the event of fire, wear self-contained breathing apparatus.

5.4 Further information

Standard procedure for chemical fires. Use water spray to cool unopened containers.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation.

6.2 Environmental precautions

Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

6.3 Reference to other sections

For disposal, see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container. Keep container tightly closed in a dry and well-ventilated place. Stable under recommended storage conditions.

7.3 Specific end use(s)

No data available

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields

Skin protection

For prolonged or repeated contact use protective gloves.

Body Protection

Impervious clothing

Respiratory protection

No personal respiratory protective equipment normally required.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Form: liquid
Odour	no data available
Odour threshold	no data available
pH	5.5-7.5
Melting point/ freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (Solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	no data available
Water solubility	soluble
Partition coefficient: n-octanol/ water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

9.2 Other information

No data available

10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

Stable under recommended storage conditions.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

No data available

11. Toxicological information

11.1 Information on toxicological effects

11.1.1 Substances

Acute toxicity

Acute oral toxicity: LD50: >38,900 mg/kg, rat
Acute inhalation toxicity: No data available

Skin corrosion/irritation

Skin irritation: Species: rabbit.
Result: No skin irritation
Remarks: Patch test on human volunteers did not demonstrate irritating properties.

Serious eye damage/ eye irritation

Eye irritation: Species: rabbit
Result: No eye irritation

Respiratory or skin sensitization

Sensitization: Maximisation Test
Species: guinea pig
Result: Did not cause sensitization.
Remarks: Patch test on human volunteers did not demonstrate sensitization properties.

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity – single exposure

No data available

Specific target organ toxicity – repeated exposure

No data available

Aspiration hazard

No data available

Potential health effects

No data available

12. Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13. Disposal considerations

13.1 Waste treatment methods

Dispose of in accordance with local regulations.

Contaminated packaging

Empty remaining contents. Empty containers should be taken to an approved waste-handling site for recycling or disposal.

14. Transport information

Not classified as dangerous in the meaning of transport regulations.

14.1 UN-number

ADR-RID, IMDG, IATA: -

14.2 UN proper shipping name

ADR-RID, IMDG, IATA: -

14.3 Transport hazard class(es)

ADR-RID, IMDG, IATA: -

14.4 Packaging group

ADR-RID, IMDG, IATA: -

14.5 Environmental hazards

ADR-RID: -

IMDG, water pollutant: -

IATA: -

14.6 Special precautions for user

No data available.

15. Regulatory information

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

US.TSCA All chemical substances in this product are listed on the TSCA Inventory.

REACH On the inventory, or in compliance with the inventory

CH INV The formulation contains substances listed on the Swiss Inventory

DSL All components of this product are on the Canadian DSL.

AICS On the inventory, or in compliance with the inventory

NZIoC On the inventory, or in compliance with the inventory

ENCS On the inventory, or in compliance with the inventory

ISHL On the inventory, or in compliance with the inventory

KECI On the inventory, or in compliance with the inventory

PICCS On the inventory, or in compliance with the inventory

IECSC On the inventory, or in compliance with the inventory

15.2 Chemical safety assessment

No data available.

16. Other information

This information is based on the current state of knowledge.