

Trade name: Tinosorb M

Substance number: 272895

Version: 3 / CH

Date revised: 08.06.2021

Replaces Version: 2 / CH

Print date: 08.06.21

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

1.1. Product identifier

Tinosorb M

Item No. 27289500

Substance / product identification ***

INCI METHYLENE BIS-BENZOTRIAZOLYL TETRAMETHYLBUTYLPHENOL (NANO)

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

Use of the substance/preparation

active substance for cosmetic products

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Aquatic Chronic 4 H413

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***



Signal word ***

Danger

Hazard statements ***

H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements ***

P273 Avoid release to the environment.

P501.3 Disposal in compliance with local and national regulations.

Trade name: Tinosorb M

Substance number: 272895

Version: 3 / CH

Date revised: 08.06.2021

Replaces Version: 2 / CH

Print date: 08.06.21

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains D-Glucopyranose, oligomers, decyl octyl glycosides; D-Glucopyranose, Oligomeric, C10-16(even numbered) Alkyl Glycosides

SECTION 3: Composition/information on ingredients *****3.2. Mixtures****Hazardous ingredients *******2,2'-methylenebis(6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol)**

CAS No.	103597-45-1			
EINECS no.	403-800-1			
Registration no.	01-0000015344-75			
Concentration	>= 50			%
Classification (Regulation (EC) No. 1272/2008)	Aquatic Chronic 4		H413	

D-Glucopyranose, oligomers, decyl octyl glycosides

CAS No.	68515-73-1			
EINECS no.	500-220-1			
Registration no.	01-2119488530-36			
Concentration	>= 3	< 10		%
Classification (Regulation (EC) No. 1272/2008)	Eye Dam. 1		H318	

D-Glucopyranose, Oligomeric, C10-16(even numbered) Alkyl Glycosides

CAS No.	110615-47-9			
EINECS no.	600-975-8			
Registration no.	01-21194849418-23			
Concentration	>= 3	< 10		%
Classification (Regulation (EC) No. 1272/2008)	Skin Irrit. 2		H315	
	Eye Dam. 1		H318	

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Irrit. 2	H315	> 30 %
Eye Dam. 1	H318	>= 12 < 30 %
Eye Dam. 1	H318	> 30 %

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Take off contaminated clothing and shoes immediately.

After inhalation

Remove the casualty into fresh air and keep him calm.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Rinse out mouth and give plenty of water to drink.

Trade name: Tinosorb M

Substance number: 272895

Version: 3 / CH

Date revised: 08.06.2021

Replaces Version: 2 / CH

Print date: 08.06.21

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

Hints for the physician / treatment

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Foam, Dry chemical extinguisher, Carbon dioxide

5.2. Special hazards arising from the substance or mixture

In the event of a fire, toxic and combustible gases can be formed. Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Retain and dispose of contaminated wash water. Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

For large amounts: take up with appropriate instrument and dispose. For tall amounts: Take up mechanically and collect in suitable container for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special requirements.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value 0.0 - 40 °C

Requirements for storage rooms and vessels

Keep container tightly closed in a well-ventilated place.

Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	8	Caustic and corrosive substances

Further information on storage conditions

Do not store at temperatures below 5 °C. Protect from frost. Keep at temperature not exceeding 30 °C.

Trade name: Tinosorb M

Substance number: 272895

Version: 3 / CH

Replaces Version: 2 / CH

Date revised: 08.06.2021

Print date: 08.06.21

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

General industrial hygiene practice. Store work clothing separately.

Respiratory protection

Not necessary.

Hand protection

Chemical resistant gloves

Appropriate Material	nitrile rubber - NBR
Material thickness	0.4 mm
Breakthrough time	> 480 min
Appropriate Material	Polychloroprene
Material thickness	0.5 mm
Breakthrough time	> 480 min
Appropriate Material	PVC
Material thickness	0.7 mm
Breakthrough time	> 480 min

Eye protection

Safety glasses with side protection shield

Body protection

apron; Boots; Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Dispersion
Colour	white
Odour	characteristic
pH value	
Value	10.5 to 12
Temperature	25 °C
Melting point	
Remarks	Not applicable
Initial boiling point and boiling range	
Value	appr. 100 °C
Flash point	
Value	> 101 °C
Remarks	Not applicable
Vapour pressure	
Value	appr. 23 mbar
Temperature	20 °C
Source	Estimated value
Density	
Value	1.04 to 1.12 g/cm ³
Temperature	25 °C
Solubility in water	
Remarks	dispersible

Trade name: Tinosorb M

Substance number: 272895

Version: 3 / CH

Date revised: 08.06.2021

Replaces Version: 2 / CH

Print date: 08.06.21

Decomposition temperature

Value > 200 °C

Viscosity**dynamic**

Value 200 to 1000 mPa.s

Temperature 25 °C

Method DIN 53019

Explosive properties

evaluation no

Oxidising properties

evaluation None known

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

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

strong acids, Alkalies, Oxidising agents

10.6. Hazardous decomposition products

No hazardous decomposition products known when handled according to prescribed instructions.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Skin corrosion/irritation**

Species rabbit
 evaluation non-irritant
 Remarks No effect of irritation known.

Serious eye damage/irritation

Species rabbit
 evaluation non-irritant
 Method OECD 405
 Remarks No effect of irritation known

Sensitization

evaluation non-sensitizing

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity**

Species zebra fish (Brachydanio rerio)
 LC50 > 20 mg/l

Trade name: Tinosorb M

Substance number: 272895

Version: 3 / CH

Date revised: 08.06.2021

Replaces Version: 2 / CH

Print date: 08.06.21

Daphnia toxicity

Species	Daphnia magna	
EC50	> 50	mg/l

Algae toxicity

EC50	> 4	mg/l
------	-----	------

Bacteria toxicity

EC50	> 100	mg/l
Duration of exposure	3	h

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed off as product waste.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information *****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany) *****

Water Hazard Class (Germany)	WGK 3
------------------------------	-------

Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV
---------	---

SECTION 16: Other information**Hazard statements listed in Chapter 3**

H315	Causes skin irritation.
H318	Causes serious eye damage.
H413	May cause long lasting harmful effects to aquatic life.

CLP categories listed in Chapter 3

Aquatic Chronic 4	Hazardous to the aquatic environment, chronic, Category 4
Eye Dam. 1	Serious eye damage, Category 1
Skin Irrit. 2	Skin irritation, Category 2

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
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.

Trade name: Tinosorb M

Substance number: 272895

Version: 3 / CH

Replaces Version: 2 / CH

Date revised: 08.06.2021

Print date: 08.06.21