We create chemistry

Safety Data Sheet
Tinosorb® M

1. Identification

Product identifier used on the label

Tinosorb® M

Recommended use of the chemical and restriction on use
Recommended use*: cosmetic ingredient

* The “Recommended use” identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
BASF Canada Inc.
100 Milverton Drive
Mississauga, ON L5R 4H1, CANADA

Telephone: +1 289 360-1300

Emergency telephone number

CANUTEC (reverse charges): (613) 996-6666
BASF HOTLINE: (800) 454-COPE (2673)

Other means of identification

Chemical family:	No applicable information available.
Synonyms:	Aqueous tetramethyl-butylphenol dispersion. Use: cosmetic ingredient
INCI Name:	Methylene Bis-benzotriazolyl Tetramethylbutylphenol (nano)

2. Hazards Identification

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

Classification of the product

Aquatic Acute	3	Hazardous to the aquatic environment - acute
Aquatic Chronic	4	Hazardous to the aquatic environment - chronic

Label elements

Hazard Statement:

H402 Harmful to aquatic life.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary Statements (Prevention):
P273 Avoid release to the environment.

Precautionary Statements (Disposal):
P501 Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition / Information on Ingredients

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

CAS Number	Weight %	Chemical name
68515-73-1	>= 3.0 - < 5.0%	D-Glucopyranose, oligomers, decyl octyl glycosides
103597-45-1	>= 50.0 - < 75.0%	Phenol, 2,2'-methylenebis[6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)-

4. First-Aid Measures

Description of first aid measures

General advice:
If symptoms persist, seek medical advice.

If inhaled:
not relevant.

If on skin:
After contact with skin, wash immediately with plenty of water and soap.

If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention if necessary.

If swallowed:
Rinse mouth and then drink 200-300 ml of water.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant reaction of the human body to the product known.
Hazards: No hazard is expected under intended use and appropriate handling.

Indication of any immediate medical attention and special treatment needed

Note to physician
Treatment: Treat symptomatically.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, carbon dioxide, dry powder, foam

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
harmful vapours, carbon oxides, nitrous gases
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

Further information:
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material.
For large amounts: Dike spillage. Pump off product.
Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:
Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Storage stability:
Storage temperature: 0 - 40 °C

Avoid freezing.
Protect from temperatures below: 0 °C
The packed product is destroyed at low temperatures or by frost.
Protect from temperatures above: 40 °C

8. Exposure Controls/Personal Protection

No occupational exposure limits known.

Advice on system design:
Ensure adequate ventilation.

Personal protective equipment

Respiratory protection:
Respiratory protection not required.

Hand protection:
Chemical resistant protective gloves

Eye protection:
Safety glasses with side-shields.

Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	dispersion
Odour:	characteristic
Odour threshold:	not determined
Colour:	white
pH value:	10.5 - 12 (25 °C) (as such)
Melting point:	not determined
Boiling point:	approx. 100 °C contains water
Flash point:	> 101 °C A flash point determination is unnecessary due to the high water content.
Flammability:	not flammable
Flammability of Aerosol Products:	not applicable, the product does not form flammable aerosoles
Lower explosion limit:	For liquids not relevant for classification and labelling.
Upper explosion limit:	For liquids not relevant for classification and labelling.

Autoignition:	not determined	
Vapour pressure:	approx. 23 mbar (20 °C) contains water approx. 123 mbar (50 °C) contains water	
Density:	1.04 - 1.12 g/cm3 (25 °C)	
Vapour density:	not applicable	
Partitioning coefficient n-octanol/water (log Pow):	not determined	
Self-ignition temperature:	not applicable	
Thermal decomposition:	> 200 °C	
Viscosity, dynamic:	200 - 1,000 mPa.s (25 °C)	(DIN 53019)
Viscosity, kinematic:	not determined	
Solubility in water:	dispersible	
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section. No further information available.	

10. Stability and Reactivity

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:
not fire-propagating

Chemical stability
The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions
No hazardous reactions when stored and handled according to instructions.

Conditions to avoid
See MSDS section 7 - Handling and storage.

Incompatible materials
strong oxidizing agents, strong bases, strong acids

Hazardous decomposition products

Decomposition products:
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:
> 200 °C

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Primary routes of entry
Ingestion.
Skin
Inhalation.
Eyes

Acute Toxicity/Effects

Acute toxicity
Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Oral
Type of value: LD50
Species: rat
Value: > 2,000 mg/kg
The product has not been tested. The statement has been derived from the properties of the individual components.

Inhalation
No data available.

Dermal
Type of value: LD50
Species: rat
Value: > 2,000 mg/kg
The product has not been tested. The statement has been derived from the properties of the individual components.

Assessment other acute effects
Assessment of STOT single:
Based on available Data, the classification criteria are not met.

Irritation / corrosion
Assessment of irritating effects: Not irritating to eyes and skin.

Skin
Species: rabbit
Result: non-irritant
The product has not been tested. The statement has been derived from the properties of the individual components.

Eye
Species: rabbit
Result: non-irritant
Method: OECD Guideline 405

Sensitization
Assessment of sensitization: No sensitizing effect.

Guinea pig maximization test
Species: guinea pig
Result: Non-sensitizing.

Aspiration Hazard
No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity
Assessment of repeated dose toxicity: The information available on the product provides no indication of toxicity on target organs after repeated exposure.

Genetic toxicity
Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity
Assessment of carcinogenicity: None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

Reproductive toxicity
Assessment of reproduction toxicity: No data available.
The chemical structure does not suggest a specific alert for such an effect.

Teratogenicity
Assessment of teratogenicity: No data available.

Other Information
The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Symptoms of Exposure

No significant reaction of the human body to the product known.

12. Ecological Information

Toxicity

Aquatic toxicity
Assessment of aquatic toxicity:
Acutely harmful for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish
LC50 > 10 - 100 mg/l

Microorganisms/Effect on activated sludge

Toxicity to microorganisms
EC0: > 100 mg/l

Persistence and degradability

Assessment biodegradation and elimination (H2O)
Not readily biodegradable (by OECD criteria). Poorly biodegradable.

The ecotoxic component(s) is/are readily biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential
No data available.

Bioaccumulation potential
Accumulation in organisms is expected.

Mobility in soil

Assessment transport between environmental compartments
not applicable

Additional information

Adsorbable organically-bound halogen (AOX): 0 %

Add. remarks environm. fate & pathway:
The product has not been tested. The statements on environmental fate and pathway have been derived from the properties of the individual components.

Other ecotoxicological advice:
Do not discharge product into the environment without control.

The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

13. Disposal considerations

Waste disposal of substance:
Must be disposed of or incinerated in accordance with local regulations.

Container disposal:
Empty contaminated containers/packaging must be handled according to applicable regulations for the hazardous properties of the contaminating material.

14. Transport Information

Land transport
TDG

Not classified as a dangerous good under transport regulations

Sea transport
IMDG

Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:
Cosmetic DSL, CA released / listed

NFPA Hazard codes:
Health: 0 Fire: 1 Reactivity: 0 Special:

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2018/02/16

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END OF DATA SHEET