

Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

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

1.1. Product identifier

FotoDent insulant

UFI

UFI: QN34-Y1V8-F000-GE7S

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

Use of the substance/preparation

Insulating agent for plastic models

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Dreve Dentamid GmbH

Max-Planck-Straße 31

DE-59423 Unna

Telephone no. +49 2303 8807-0

Fax no. +49 2303 8807-29

Information provided by / telephone Department Research & Development: Fax: +49 2303 8807-562

E-mail address of person responsible for this SDS sicherheitsdatenblatt@dreve.com

1.4. Emergency telephone number

Henkel Fire Department / 24h-Emergency-Contact-No.: +49 211 797-3350

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

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

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

Eye Irrit. 2 H319

Skin Sens. 1A H317

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



Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

Warning

Hazard statements

H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264.1 Wash hands thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P501.1 Dispose of contents/container to industrial incineration plant.

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

contains *** 2-Methyl-2H-isothiazol-3-one; 2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate;
 Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

2.3. Other hazards

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients *****3.2. Mixtures****Hazardous ingredients *******2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate**

CAS No.	9014-85-1				
EINECS no.	500-022-5				
Concentration	>= 1	<	3		%
Classification (Regulation (EC) No. 1272/2008)	Eye Dam. 1	H318			
	Skin Sens. 1B	H317			Route of exposure: dermal

2-Methyl-2H-isothiazol-3-one

CAS No.	2682-20-4				
EINECS no.	220-239-6				
Registration no.	01-2120764690-50				
Concentration	>= 0,0015	<	0,01		%
Classification (Regulation (EC) No. 1272/2008)	Acute Tox. 3	H301			
	Eye Dam. 1	H318			
	Aquatic Acute 1	H400			
	Aquatic Chronic 1	H410			
	Skin Sens. 1A	H317			
	Acute Tox. 3	H311			
	Skin Corr. 1B	H314			
	Acute Tox. 2	H330			



Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

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

Aquatic Acute 1	H400	M = 10
Skin Sens. 1A	H317	>= 0,0015 %
Aquatic Chronic 1	H410	M = 1

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

CAS No. 55965-84-9

Concentration < 0,001 %

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

Acute Tox. 2	H310
Acute Tox. 2	H330
Acute Tox. 3	H301
Skin Corr. 1C	H314
Eye Dam. 1	H318
Skin Sens. 1A	H317
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

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

Eye Dam. 1	H318	>= 0,6 %
Eye Irrit. 2	H319	>= 0,06 < 0,6 %
Skin Corr. 1C	H314	>= 0,6 %
Skin Irrit. 2	H315	>= 0,06 < 0,6 %
Skin Sens. 1A	H317	>= 0,0015 %
Aquatic Acute 1		M = 100
Aquatic Chronic 1		M = 100

Additional remarks:

CLP

Regulation (EC) No 1272/2008, Annex VI, Note B

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

In case of persistent symptoms consult doctor.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Do not induce vomiting. Summon a doctor immediately.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far.

Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

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

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Recommended: alcohol resistant foam, CO₂, powders, water spray/mist, Extinguishing measures to suit surroundings

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Clean contaminated floors and objects thoroughly, observing environmental regulations. Dispose of as prescribed.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store product in closed containers.

Hints on storage assembly

Do not store together with foodstuffs.

Further information on storage conditions

Keep container tightly closed and dry.

Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

Derived No/Minimal Effect Levels (DNEL/DMEL)

2-Methyl-2H-isothiazol-3-one

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,021	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Acute effects	
Concentration	0,043	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,021	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Acute effects	
Concentration	0,043	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	0,027	mg/person/ d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Short term	
Route of exposure	oral	
Mode of action	Acute effects	
Concentration	0,053	mg/kg/d

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate

Type of value	Derived No Effect Level (DNEL)	
---------------	--------------------------------	--



Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	3,03	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	0,859	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Concentration	0,534	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	0,307	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	0,307	mg/kg/d

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,02	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Acute effects	
Concentration	0,04	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,02	mg/m ³



Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Acute effects	
Concentration	0,04	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	0,09	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Short term	
Route of exposure	oral	
Mode of action	Acute effects	
Concentration	0,11	mg/kg/d

Predicted No Effect Concentration (PNEC)

2-Methyl-2H-isothiazol-3-one

Type of value	PNEC	
Type	Freshwater	
Concentration	3,39	µg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	3,39	µg/l

Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	0,23	mg/l

Type of value	PNEC	
Type	Soil	
Concentration	0,047	mg/kg

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate

Type of value	PNEC	
Type	Freshwater	
Concentration	1	mg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	0,1	mg/l

Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	6,8	mg/l

Type of value	PNEC	
Type	Freshwater sediment	
Concentration	7,2	mg/kg



Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

Type of value	PNEC	
Type	Marine sediment	
Concentration	0,72	mg/kg

Type of value	PNEC	
Type	Soil	
Concentration	0,077	mg/kg

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

Type of value	PNEC	
Type	Freshwater	
Concentration	3,39	µg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	3,39	µg/l

Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,027	mg/kg

Type of value	PNEC	
Type	Marine sediment	
Concentration	0,027	mg/kg

Type of value	PNEC	
Type	Soil	
Concentration	0,01	mg/kg

8.2. Exposure controls**General protective and hygiene measures**

Observe the usual precautions for handling chemicals.

Respiratory protection

Not necessary, but do not inhale vapours.

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Hand protection must comply with EN 374.

Appropriate Material nitrile

Eye protection

Safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	liquid
Colour	whitish



Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

Odour	characteristic		
Melting point			
Remarks	not determined		
Freezing point			
Remarks	not determined		
Boiling point or initial boiling point and boiling range			
Value	100		°C
Flammability			
evaluation	Not applicable		
Upper and lower explosive limits			
Remarks	not determined		
Flash point			
Remarks	Not applicable		
Auto-ignition temperature			
Remarks	not determined		
Decomposition temperature			
Remarks	No decomposition if used as prescribed.		
pH value			
Remarks	not determined		
Viscosity			
Remarks	not determined		
Solubility(ies)			
Remarks	not determined		
Partition coefficient n-octanol/water (log value)			
Remarks	not determined		
Vapour pressure			
Value	23		hPa
Temperature	20	°C	
Density and/or relative density			
Value	1,0		g/cm ³
Temperature	20	°C	
Relative vapour density			
Remarks	not determined		
9.2. Other information			
Odour threshold			
Remarks	not determined		
Evaporation rate (ether = 1) :			
Remarks	not determined		
Solubility in water			
Remarks	miscible		
Explosive properties			
evaluation	no		
Oxidising properties			
Remarks	not determined		
Other information			



Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

None known

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

None known

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

Remarks Based on available data, the classification criteria are not met.

Acute oral toxicity (Components)

2-Methyl-2H-isothiazol-3-one

Species	rat			
LD50	232	to	249	mg/kg

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate

Species	rat (male)			
LD50	>	6370		mg/kg
Remarks	Test conducted with a similar formulation.			

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

Species	rat (female)			
LD50	200			mg/kg
Method	OECD 423			

Acute dermal toxicity

Remarks Based on available data, the classification criteria are not met.

Acute dermal toxicity (Components)

2-Methyl-2H-isothiazol-3-one

Species	rat			
LD50	242			mg/kg
Method	OECD 402			

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate

Species	rat			
LD50	>	2000		mg/kg
Remarks	Test conducted with a similar formulation.			

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-



Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

one [EG-No 220-239-6] (3:1)

Species	rat	
LD50	> 141	mg/kg
Method	OECD 402	

Acute inhalational toxicity

Remarks Based on available data, the classification criteria are not met.

Acute inhalative toxicity (Components)**2-Methyl-2H-isothiazol-3-one**

Species	rat	
LC50	0,11	mg/m ³
Duration of exposure	4	h
Administration/Form	Dust/Mist	
Method	OECD 403	

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

Species	rat	
LC50	0,33	mg/l
Duration of exposure	4	h
Administration/Form	Dust/Mist	
Method	OECD 403	

Skin corrosion/irritation

Remarks Based on available data, the classification criteria are not met.

Skin corrosion/irritation (Components)**2-Methyl-2H-isothiazol-3-one**

Species	rabbit
evaluation	corrosive
Method	OECD 404

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

Species	rabbit
evaluation	corrosive
Method	OECD 404

Serious eye damage/irritation

evaluation	irritant
Remarks	The classification criteria are met.

Serious eye damage/irritation (Components)**2-Methyl-2H-isothiazol-3-one**

evaluation	corrosive
------------	-----------

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate

Species	rabbit
evaluation	corrosive
Remarks	Test conducted with a similar formulation.

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

Species	rabbit
evaluation	corrosive

Sensitization

evaluation	May cause sensitization by skin contact.
Remarks	The classification criteria are met.

Sensitization (Components)



Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

2-Methyl-2H-isothiazol-3-one

Route of exposure	dermal
Species	mouse
evaluation	sensitizing
Method	OECD 429

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate

Route of exposure	dermal
Species	mouse
evaluation	sensitizing
Method	OECD 429

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

Route of exposure	dermal
Species	mouse
evaluation	sensitizing

Subacute, subchronic, chronic toxicity

Remarks	not determined
---------	----------------

Mutagenicity

Remarks	Based on available data, the classification criteria are not met.
---------	---

Reproductive toxicity

Remarks	Based on available data, the classification criteria are not met.
---------	---

Carcinogenicity

Remarks	Based on available data, the classification criteria are not met.
---------	---

Specific Target Organ Toxicity (STOT)**Single exposure**

Remarks	Based on available data, the classification criteria are not met.
---------	---

Repeated exposure

Remarks	Based on available data, the classification criteria are not met.
---------	---

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Other information

No toxicological data are available.

SECTION 12: Ecological information**12.1. Toxicity****General information**

not determined

Fish toxicity (Components)**2-Methyl-2H-isothiazol-3-one**

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)
LC50	4,77 mg/l
Duration of exposure	96 h



Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

Method	OECD 203	
2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate		
LC50	52	mg/l
Duration of exposure	96	h
Method	OECD 203	
Source	Manufacturer's data	

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)	
LC50	0,19	mg/l
Duration of exposure	96	h

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)	
NOEC	0,098	mg/l
Duration of exposure	28	d

Daphnia toxicity (Components)**2-Methyl-2H-isothiazol-3-one**

Species	Daphnia magna	
LC50	0,934	mg/l
Duration of exposure	48	h
Method	OECD 202	

2-Methyl-2H-isothiazol-3-one

Species	Daphnia magna	
NOEC	0,044	mg/l
Duration of exposure	21	d
Method	OECD 211	

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate

Species	Daphnia magna	
EC50	>= 100	mg/l
Duration of exposure	48	h
Method	OECD 202	

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate

Species	Daphnia magna	
NOEC	>= 10	mg/l
Method	OECD 211	

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

Species	Daphnia magna	
EC50	0,16	mg/l
Duration of exposure	48	h

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

Species	Daphnia magna	
NOEC	0,1	mg/l
Duration of exposure	21	d

Algae toxicity (Components)**2-Methyl-2H-isothiazol-3-one**

Species	Pseudokirchneriella subcapitata	
EC50	0,103	mg/l
Duration of exposure	72	h
Method	OECD 201	

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate



Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

Species	Pseudokirchneriella subcapitata	
EC50	78	mg/l
Duration of exposure	72	h
Method	OECD 201	

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

Species	Skeletonema costatum	
EC50	37,1	µg/l
Duration of exposure	48	h
Method	OECD 201	

Bacteria toxicity (Components)**2-Methyl-2H-isothiazol-3-one**

Species	activated sludge	
EC50	41	mg/l
Duration of exposure	3	h
Method	OECD 209	

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate

Species	activated sludge	
EC50	appr. 680	mg/l
Duration of exposure	30	min
Method	OECD 209	
Remarks	Test conducted with a similar formulation.	

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EG-No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EG-No 220-239-6] (3:1)

Species	activated sludge	
EC50	4,5	mg/l
Duration of exposure	3	h
Method	OECD 209	

12.2. Persistence and degradability**General information**

not determined

Biodegradability (Components)**2-Methyl-2H-isothiazol-3-one**

Value	50	%
Duration of test evaluation	29	d
Method	not readily degradable OECD 301B / ISO 9439 / EEC 84/449 C5	

2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate

evaluation	not readily degradable
Source	ECHA

12.3. Bioaccumulative potential**General information**

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Octanol/water partition coefficient (log Pow) (Components)**2-Methyl-2H-isothiazol-3-one**

log Pow	-0,486
Method	OECD 107

Bioconcentration factor (BCF) (Components)

Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

2-Methyl-2H-isothiazol-3-one

BCF

3,16

Source

calculated value

12.4. Mobility in soil**General information**

not determined

12.5. Results of PBT and vPvB assessment**General information**

not determined

Results of PBT and vPvB assessment

The product contains no PBT substances

The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects**General information**

not determined

General information / ecology

Do not discharge product unmonitored into the environment.

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

Must not be disposed together with household garbage.

Dispose of waste according to applicable legislation.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information



Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Date revised: 17.02.2025

Replaces Version: 1 / GB

Print date: 17.02.2025

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID 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.
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)		-	-
Label			
14.4. Packing group		-	-

SECTION 15: Regulatory information

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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

Eye Irrit. 2	H319	Calculation method
Skin Sens. 1A	H317	Calculation method

Hazard statements listed in Chapter 2/3

H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 2/3

Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 3	Acute toxicity, Category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Corr. 1C	Skin corrosion, Category 1C
Skin Sens. 1A	Skin sensitization, Category 1A



Trade name: FotoDent insulant

Substance number: 12680

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 17.02.2025

Print date: 17.02.2025

Skin Sens. 1B

Skin sensitization, Category 1B

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.