

Trade name: Fixtemp C&amp;B 4:1 Base

Substance number: 71401

Version: 1 / GB

Date revised: 24.03.2023

Replaces Version: - / GB

Print date: 24.03.2023

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

### 1.1. Product identifier

Fixtemp C&amp;B 4:1 Base

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

#### Use of the substance/preparation

Material for the production of temporary crowns and bridges

### 1.3. Details of the supplier of the safety data sheet

#### Address/Manufacturer

Dreve Dentamid GmbH

Max-Planck-Straße 31

59423 Unna

Telephone no. +49 2303 8807-0

Fax no. +49 2303 8807-29

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

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

for this SDS

### 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)

Skin Sens. 1 H317

Aquatic Chronic 3 H412

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

Warning

##### Hazard statements

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

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**Precautionary statements**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
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	2,2'-ethylenedioxydiethyl dimethacrylate; 7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diylbismethacrylate
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**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****Bisphenol A, ethoxylated, dimethacrylate**

CAS No.	41637-38-1
EINECS no.	609-946-4
Registration no.	01-2119980659-17
Concentration	>= 25 < 50 %
Classification (Regulation (EC) No. 1272/2008)	Aquatic Chronic 4 H413

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diylbismethacrylate**

CAS No.	72869-86-4
EINECS no.	276-957-5
Registration no.	01-2120751202-68
Concentration	>= 2,5 < 10 %
Classification (Regulation (EC) No. 1272/2008)	Skin Sens. 1B H317 Aquatic Chronic 2 H411

**2,2'-ethylenedioxydiethyl dimethacrylate**

CAS No.	109-16-0
EINECS no.	203-652-6
Registration no.	01-2119969287-21
Concentration	>= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)	Skin Sens. 1 H317
	Route of exposure: dermal

**Quaternary ammonium compounds, tri-C8-C10-alkylmethyl, chlorides**

CAS No.	63393-96-4
EINECS no.	264-120-7
Registration no.	01-2119982988-08
Concentration	>= 0,01 < 0,1 %



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

Acute Tox. 3	H301
Skin Corr. 1C	H314
Aquatic Acute 1	H400
Aquatic Chronic 1	H410
Repr. 2	H361d

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

Aquatic Acute 1 H400 M = 10

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid

#### After inhalation

Ensure supply of fresh air. Remove affected person from danger area. Seek medical advice immediately.

#### After skin contact

Wash off immediately with soap and water. Seek medical advice immediately.

#### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

#### After ingestion

Call in a physician immediately and show him the Safety Data Sheet. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

#### 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.

### 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, CO<sub>2</sub>, powders, water spray/mist, Extinguishing measures to suit surroundings

#### Non suitable extinguishing media

Full water jet

### 5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

### 5.3. Advice for firefighters



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**Special protective equipment for fire-fighting**

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

**Other information**

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Observe manufacturer's / distributor's instructions.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Keep away sources of ignition. Ensure adequate ventilation. Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Use personal protective clothing. Refer to protective measures listed in Sections 7 and 8.

**6.2. Environmental precautions**

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Retain and dispose of contaminated wash water. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**6.3. Methods and material for containment and cleaning up**

Pick up rest with suitable absorbent materials. Do not pick up with the help of saw-dust or other combustible substances. Clean contaminated floors and objects thoroughly, observing environmental regulations. Containers in which spilt substance has been collected must be adequately labelled. 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). Avoid formation of aerosols. Avoid impact, friction and electro-static loading; risk of ignition!. Keep container tightly closed.

**Advice on protection against fire and explosion**

Keep away from sources of heat and ignition. No smoking. Take action to prevent static discharges. Avoid impact and friction. Use only explosion-proof equipment. Keep away from combustible material. Wear shoes with conductive soles.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Hints on storage assembly**

Do not store together with foodstuffs. Do not store with strong oxidizing agents.

**Further information on storage conditions**

Keep under lock and key or accessible only to specialists or people who are authorized. Keep container tightly closed and in a well-ventilated place. Keep in a cool place

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## 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)

##### **Bisphenol A, ethoxylated, dimethacrylate**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	3,52	mg/m <sup>3</sup>

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	2	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	0,87	mg/m <sup>3</sup>

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	1	mg/kg

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	0,5	mg/kg

##### **2,2'-ethylenedioxydiethyl dimethacrylate**

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	13,9	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	



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Duration of exposure Long term  
Route of exposure inhalative  
Mode of action Systemic effects  
Concentration 14,05 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
Reference group General Population  
Duration of exposure Long term  
Route of exposure oral  
Mode of action Systemic effects  
Concentration 8,33 mg/kg

Type of value Derived No Effect Level (DNEL)  
Reference group General Population  
Duration of exposure Long term  
Route of exposure dermal  
Mode of action Systemic effects  
Concentration 8,33 mg/kg

Type of value Derived No Effect Level (DNEL)  
Reference group Worker  
Duration of exposure Long term  
Route of exposure inhalative  
Mode of action Systemic effects  
Concentration 48,5 mg/m<sup>3</sup>

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diylbismethacrylate**

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

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 1,3 mg/kg

Type of value Derived No Effect Level (DNEL)  
Reference group Consumer  
Duration of exposure Long term  
Route of exposure inhalative  
Mode of action Systemic effects  
Concentration 0,6 mg/m<sup>3</sup>

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 0,3 mg/kg

Type of value Derived No Effect Level (DNEL)

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Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	0,7	mg/kg

**Predicted No Effect Concentration (PNEC)****2,2'-ethylenedioxydiethyl dimethacrylate**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,016	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,002	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,185	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,018	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,027	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	1,7	mg/l

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,01	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	4,56	mg/kg
Type of value	PNEC	
Type	Saltwater	
Concentration	0,001	mg/l
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,46	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,91	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	3,61	mg/l



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Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	0,1	mg/l

## 8.2. Exposure controls

### General protective and hygiene measures

Do not smoke during work time. Hold emergency shower available. Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Take off immediately all contaminated clothing. Do not eat or drink during work time. Storage of foodstuffs in work rooms is forbidden. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

### Respiratory protection

Do not inhale vapours; Use suitable respiratory protective device in case of insufficient ventilation

### Hand protection

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

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

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

<b>Physical state</b>	liquid, viscous	
<b>Colour</b>	Various, depending on coloration	
<b>Odour</b>	characteristic	
<b>Melting point</b>		
Remarks	not determined	
<b>Freezing point</b>		
Remarks	not determined	
<b>Boiling point or initial boiling point and boiling range</b>		
Value	> 114	°C
<b>Flammability</b>		
not determined		
<b>Upper and lower explosive limits</b>		
Remarks	not determined	
<b>Flash point</b>		
Value	> 100	°C
Method	closed cup	
<b>Ignition temperature</b>		



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Remarks not determined

**Decomposition temperature**

Remarks not determined

**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**

Remarks not determined

**Density and/or relative density**Value 1,84 g/cm<sup>3</sup>

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 virtually insoluble

**Explosive properties**

evaluation not determined

**Oxidising properties**

Remarks not determined

**Other information**

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**

Protect from heat and direct sunlight

**10.5. Incompatible materials**

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None known

**10.6. Hazardous decomposition products**

Toxic gases/vapours, Irritant gases/vapours

## 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)****Quaternary ammonium compounds, tri-C8-C10-alkylmethyl, chlorides**

Species	rat			
LD50		200	to	2000 mg/kg
Method	OECD 401			

**Bisphenol A, ethoxylated, dimethacrylate**

Species	rat			
LD50	>	2000		mg/kg

**2,2'-ethylenedioxydiethyl dimethacrylate**

Species	rat			
LD50	>	5000		mg/kg

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diylbismethacrylate**

Species	rat			
LD50	>	5000		mg/kg
Method	OECD 401			

**Acute dermal toxicity**

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

**Acute dermal toxicity (Components)****Bisphenol A, ethoxylated, dimethacrylate**

Species	rat			
LD50	>	2000		mg/kg
Method	OECD 402			

**2,2'-ethylenedioxydiethyl dimethacrylate**

Species	mouse			
LD50	>	2000		mg/kg

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diylbismethacrylate**

Species	rat			
LD50	>	2000		mg/kg
Method	OECD 402			

**Acute inhalational toxicity**

ATE	>	20		mg/l
Administration/Form	Dust/Mist			
Method	calculated value (Regulation (EC) No. 1272/2008)			
Remarks	Based on available data, the classification criteria are not met.			

**Skin corrosion/irritation**

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

**Skin corrosion/irritation (Components)****Quaternary ammonium compounds, tri-C8-C10-alkylmethyl, chlorides**

Species	rabbit
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evaluation	corrosive
Method	OECD 404

**Serious eye damage/irritation**

Remarks	Based on available data, the classification criteria are not met.
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**Serious eye damage/irritation (Components)****Quaternary ammonium compounds, tri-C8-C10-alkylmethyl, chlorides**

evaluation	corrosive
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**Sensitization**

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

**Sensitization (Components)****Quaternary ammonium compounds, tri-C8-C10-alkylmethyl, chlorides**

Route of exposure	inhalative
evaluation	sensitizing

**2,2'-ethylenedioxydiethyl dimethacrylate**

Route of exposure	dermal
Species	mouse
evaluation	sensitizing
Method	OECD 429

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate**

Route of exposure	dermal
Species	mouse
evaluation	sensitizing

**Subacute, subchronic, chronic toxicity**

Remarks	not determined
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**Mutagenicity**

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

Remarks	Based on available data, the classification criteria are not met.
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**Reproduction toxicity (Components)****Quaternary ammonium compounds, tri-C8-C10-alkylmethyl, chlorides**

Route of exposure	oral
Species	rat
Dose	17 mg/kg
evaluation	Suspected of damaging the unborn child.

**Carcinogenicity**

Remarks	Based on available data, the classification criteria are not met.
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**Specific Target Organ Toxicity (STOT)****Single exposure**

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

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

Remarks	Based on available data, the classification criteria are not met.
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**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

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

**Experience in practice**

Inhalation may lead to irritation of the respiratory tract.

**Other information**

No toxicological data are available.

## SECTION 12: Ecological information

**12.1. Toxicity****General information**

not determined

**Fish toxicity (Components)****Quaternary ammonium compounds, tri-C8-C10-alkylmethyl, chlorides**

Species	zebra fish (Brachydanio rerio)		
LC50	0,15		mg/l
Duration of exposure	96	h	
Method	OECD 203		

**Bisphenol A, ethoxylated, dimethacrylate**

Species	rainbow trout (Oncorhynchus mykiss)		
LC50	> 100		mg/l
Remarks	Test conducted with a similar formulation.		

**2,2'-ethylenedioxydiethyl dimethacrylate**

Species	zebra fish (Brachydanio rerio)		
LC50	16,4		mg/l
Method	OECD 203		

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate**

Species	zebra fish (Brachydanio rerio)		
LC50	10,1		mg/l
Duration of exposure	96	h	
Method	OECD 203		

**Daphnia toxicity (Components)****Quaternary ammonium compounds, tri-C8-C10-alkylmethyl, chlorides**

Species	Daphnia magna		
EC50	0,16		mg/l
Duration of exposure	48	h	
Method	OECD 202		

**Bisphenol A, ethoxylated, dimethacrylate**

Species	Daphnia magna		
EC50	> 100		mg/l
Duration of exposure	48	h	
Remarks	Test conducted with a similar formulation.		

**2,2'-ethylenedioxydiethyl dimethacrylate**

Species	Daphnia magna		
NOEC	32		mg/l
Duration of exposure	21	d	
Method	OECD 211		

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate**

Species	Daphnia magna		
EC50	1,2		mg/l
Duration of exposure	48	h	

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Method OECD 202

**Algae toxicity (Components)****Quaternary ammonium compounds, tri-C8-C10-alkylmethyl, chlorides**

Species	Desmodesmus subspicatus		
ErC50	0,29		mg/l
Duration of exposure	72	h	
Method	OECD 201		

**Bisphenol A, ethoxylated, dimethacrylate**

Species	Pseudokirchneriella subcapitata		
EC50	> 100		mg/l
Duration of exposure	72	h	
Method	OECD 201		
Remarks	Test conducted with a similar formulation.		

**2,2'-ethylenedioxydiethyl dimethacrylate**

Species	Pseudokirchneriella subcapitata		
ErC50	> 100		mg/l
Duration of exposure	72	h	
Method	OECD 201		

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diylbismethacrylate**

Species	Scenedesmus subspicatus		
EC50	> 0,68		mg/l
Duration of exposure	72	h	
Method	OECD 201		

**Bacteria toxicity (Components)****Quaternary ammonium compounds, tri-C8-C10-alkylmethyl, chlorides**

Species	activated sludge		
EC50	18		mg/l
Duration of exposure	3	h	
Method	OECD 209		

**Bisphenol A, ethoxylated, dimethacrylate**

Species	activated sludge		
NOEC	14,3		mg/l
Duration of exposure	28	d	
Remarks	Test conducted with a similar formulation.		

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diylbismethacrylate**

Species	activated sludge		
NOEC	>= 36,1		mg/l
Duration of exposure	14	d	

**12.2. Persistence and degradability****General information**

not determined

**Biodegradability (Components)****Bisphenol A, ethoxylated, dimethacrylate**

Value	24		%
Duration of test evaluation	28	d	
Remarks	readily degradable Test conducted with a similar formulation.		

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diylbismethacrylate**

Value	22		%
Duration of test evaluation	28	d	
Remarks	not readily degradable		

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**Ready degradability (Components)****Quaternary ammonium compounds, tri-C8-C10-alkylmethyl, chlorides**

Value	0	%
Duration of test	28	d

**2,2'-ethylenedioxydiethyl dimethacrylate**

Value	85	%
Duration of test	28	d

Remarks The product is readily biodegradable according to OECD criteria.

**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)****Quaternary ammonium compounds, tri-C8-C10-alkylmethyl, chlorides**

log Pow	2,92	to	3,81
Source	calculated value		

**Bisphenol A, ethoxylated, dimethacrylate**

log Pow	4,39
---------	------

**2,2'-ethylenedioxydiethyl dimethacrylate**

log Pow	2,3
---------	-----

**7,7,9(7,9,9)-trimethyl-4,13-dioxo-3,14-dioxo-5,12-diazahexadecane-1,16-diylbismethacrylate**

log Pow	3,39	
Temperature	20	°C

**12.4. Mobility in soil****General information**

not determined

**Mobility in soil (Components)****2,2'-ethylenedioxydiethyl dimethacrylate****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 allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.



Trade name: Fixtemp C&amp;B 4:1 Base

Substance number: 71401

Version: 1 / GB

Date revised: 24.03.2023

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## 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 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.
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)		-	-
Label			
14.4. Packing group		-	-
14.5. Environmental hazards	-	no	-

## 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

### Hazard statements listed in Chapter 3

H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.



Trade name: Fixtemp C&B 4:1 Base

Substance number: 71401

Version: 1 / GB

Date revised: 24.03.2023

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### CLP categories listed in Chapter 3

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
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment, chronic, Category 4
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1C	Skin corrosion, Category 1C
Skin Sens. 1	Skin sensitization, Category 1
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.





Trade name: Fixtemp C&amp;B 4:1 Catalyst

Substance number: 71411

Version: 1 / GB

Date revised: 24.03.2023

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

### 1.1. Product identifier

Fixtemp C&amp;B 4:1 Catalyst

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

#### Use of the substance/preparation

Material for the production of temporary crowns and bridges

### 1.3. Details of the supplier of the safety data sheet

#### Address/Manufacturer

Dreve Dentamid GmbH

Max-Planck-Straße 31

59423 Unna

Telephone no.

+49 2303 8807-0

Fax no.

+49 2303 8807-29

Information provided

Department Research &amp; Development: Fax: +49 2303 8807-562

by / telephone

E-mail address of

sicherheitsdatenblatt@dreve.com

person responsible

for this SDS

### 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

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

#### Supplemental information

EUH210

Safety data sheet available on request.

### 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

Trade name: Fixtemp C&amp;B 4:1 Catalyst

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**1-benzyl-5-phenylbarbituric acid**

CAS No. 72846-00-5

EINECS no. 276-940-2

Registration no. 01-2120789592-39

Concentration &gt;= 1 &lt; 10 %

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

Acute Tox. 4 H302

ATE oral 500 mg/kg

**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.

**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, CO<sub>2</sub>, 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**



Trade name: Fixtemp C&amp;B 4:1 Catalyst

Substance number: 71411

Version: 1 / GB

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**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.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Other information**

Contains no substances with occupational exposure limit values.

**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**

Not necessary.

**Eye protection**

Safety glasses

**Body protection**

Clothing as usual in the chemical industry.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	liquid, viscous		
<b>Colour</b>	white		
<b>Odour</b>	characteristic		
<b>Melting point</b>			
Remarks	not determined		
<b>Freezing point</b>			
Remarks	not determined		
<b>Boiling point or initial boiling point and boiling range</b>			
Value	214		°C
<b>Flammability</b>	not determined		
<b>Upper and lower explosive limits</b>			
Remarks	not determined		
<b>Flash point</b>			
Value	> 100		°C
Method	closed cup		
<b>Ignition temperature</b>			
Remarks	not determined		
<b>Decomposition temperature</b>			
Remarks	not determined		
<b>pH value</b>			
Remarks	not determined		
<b>Viscosity</b>			
Remarks	not determined		
<b>Solubility(ies)</b>			
Remarks	not determined		
<b>Partition coefficient n-octanol/water (log value)</b>			
Remarks	not determined		
<b>Vapour pressure</b>			
Remarks	not determined		
<b>Density and/or relative density</b>			
Value	1,65		g/cm <sup>3</sup>
Temperature	20	°C	
<b>Relative vapour density</b>			
Remarks	not determined		
<b>9.2. Other information</b>			
<b>Odour threshold</b>			
Remarks	not determined		
<b>Evaporation rate (ether = 1) :</b>			
Remarks	not determined		
<b>Solubility in water</b>			



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Remarks virtually insoluble

**Explosive properties**

evaluation not determined

**Oxidising properties**

Remarks not determined

**Other information**

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**ATE 8.070,94 mg/kg  
43

Method calculated value (Regulation (EC) No. 1272/2008)

**Acute oral toxicity (Components)****1-benzyl-5-phenylbarbituric acid**Species rat  
LD50 500 mg/kg**Acute dermal toxicity**

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

**Acute inhalational toxicity**

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

**Skin corrosion/irritation**

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

**Serious eye damage/irritation**

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

**Sensitization**

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

**Subacute, subchronic, chronic toxicity**

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Substance number: 71411

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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

**Daphnia toxicity (Components)****1-benzyl-5-phenylbarbituric acid**

Species	Daphnia magna			
EC50	>	50		mg/l
Duration of exposure		48	h	
Method	OECD 202			

**Algae toxicity (Components)****1-benzyl-5-phenylbarbituric acid**

Species	Pseudokirchneriella subcapitata			
EC50	>	50		mg/l
Duration of exposure		72	h	
Method	OECD 201			

**12.2. Persistence and degradability****General information**

not determined

**Biodegradability (Components)****1-benzyl-5-phenylbarbituric acid**

evaluation not readily degradable

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**12.3. Bioaccumulative potential****General information**

not determined

**Partition coefficient n-octanol/water (log value)**

Remarks not determined

**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

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
<b>14.1. UN number</b>	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.

Trade name: Fixtemp C&amp;B 4:1 Catalyst

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14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)		-	-
Label			
14.4. Packing group		-	-
14.5. Environmental hazards		no	-

## 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

### Hazard statements listed in Chapter 3

H302 Harmful if swallowed.

### CLP categories listed in Chapter 3

Acute Tox. 4 Acute toxicity, Category 4

### 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.