



# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 6

Revision: 06.03.2023

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

- **1.1 Product identifier**
- **Trade name: Castdon Monomer**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Plastic for the manufacturing and repair of dentures
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Dreve Dentamid GmbH  
Max-Planck-Straße 31  
59423 Unna / Germany  
Tel.: +49 2303 / 8807-0  
Fax.: +49 2303 / 8807-55
- **Further information obtainable from:**  
Department Research & Development  
Fax: +49 2303 / 8807-562  
Email: sicherheitsdatenblatt@dreve.de
- **1.4 Emergency telephone number:**  
Tel.: +49 211 / 797-3350  
Plant Fire Department Henkel

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02 GHS07

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
methyl methacrylate  
1,4 Butanediol dimethacrylate

(Contd. on page 2)

GB



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 6

Revision: 06.03.2023

**Trade name: Castdon Monomer**

(Contd. of page 1)

- **Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

- **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**

- **Description:** Liquid based on methacrylate acid ester, containing an activator

- **Dangerous components:**

CAS: 80-62-6	methyl methacrylate	50-100%
EINECS: 201-297-1	⚠ Flam. Liq. 2, H225; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	
CAS: 2082-81-7	1,4 Butanediol dimethacrylate	2.5-10%
EINECS: 212-218-1	⚠ Skin Sens. 1, H317	

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:**

Do not induce vomiting.

Call a doctor immediately.

- **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

(Contd. on page 3)

GB



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 6

Revision: 06.03.2023

**Trade name: Castdon Monomer**

(Contd. of page 2)

- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fire with alcohol resistant foam.
  - **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
  - **Protective equipment:** Wear self-contained respiratory protective device.
  - **Additional information**  
Cool endangered receptacles with water spray.  
Collect contaminated fire fighting water separately. It must not enter the sewage system.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Avoid contact with skin and eyes.  
Ensure adequate ventilation  
Keep away from ignition sources.  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Do not allow to penetrate the ground/soil.  
Prevent seepage into sewage system, workpits and cellars.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Send for recovery or disposal in suitable receptacles.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Avoid contact with skin and eyes.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
  - **Storage:**
  - **Requirements to be met by storerooms and receptacles:**  
Protect from heat and direct sunlight.

(Contd. on page 4)



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 6

Revision: 06.03.2023

**Trade name: Castdon Monomer**

(Contd. of page 3)

Store between 10 °C and 25°C at a well ventilated place.

Store in a cool location.

· **Information about storage in one common storage facility:** Store away from foodstuffs.· **Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

#### · 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

##### **80-62-6 methyl methacrylate**

WEL	Short-term value: 416 mg/m <sup>3</sup> , 100 ppm Long-term value: 208 mg/m <sup>3</sup> , 50 ppm
-----	--

· **Additional information:** The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

· **Personal protective equipment:**· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

Not necessary if room is well-ventilated.

Do not inhale fumes.

· **Protection of hands:**

Protective gloves

Protective gloves should be changed regularly, especially after intensive contact with the product. For every workplace a suitable type of protective gloves must be selected.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

Butyl rubber ( 0,7 mm) EN 374

As there are many different conditions in every day work these indications can only serve as an aid to orientation for the selection of suitable gloves for the handling of chemical products. By no means they can replace qualifying examinations by the end-user.

These recommendations only apply to the product mentioned in the safety data sheet. When mixing with other substances or under conditions deviant from norm EN 374 a manufacturer of CE-approved gloves should be referred to.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 5)

GB



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 6

Revision: 06.03.2023

**Trade name: Castdon Monomer**

(Contd. of page 4)

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value:	Not determined.
-----------	-----------------

- **Change in condition**

Melting point/freezing point:	-48 °C
Initial boiling point and boiling range:	101 °C

Flash point:	10 °C
--------------	-------

Flammability (solid, gas):	Not applicable.
----------------------------	-----------------

Ignition temperature:	430 °C
-----------------------	--------

Decomposition temperature:	Not determined.
----------------------------	-----------------

Auto-ignition temperature:	Product is not selfigniting.
----------------------------	------------------------------

Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
-----------------------	---

- **Explosion limits:**

Lower:	2.1 Vol %
Upper:	12.5 Vol %

Oxidising properties	Not determined
----------------------	----------------

Vapour pressure at 20 °C:	47 hPa
---------------------------	--------

Density at 20 °C:	0.95 g/cm <sup>3</sup>
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.

- **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

Partition coefficient: n-octanol/water:	Not determined.
---	-----------------

(Contd. on page 6)



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 6

Revision: 06.03.2023

Trade name: **Castdon Monomer**

(Contd. of page 5)

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>· <b>Viscosity:</b></li> <li style="padding-left: 20px;"><b>Dynamic:</b></li> <li style="padding-left: 20px;"><b>Kinematic:</b></li> <li>· <b>9.2 Other information</b></li> </ul> | <p>Not determined.</p> <p>Not determined.</p> <p>No further relevant information available.</p> |
|---|---|

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No dangerous reactions if used according to specifications.
- **10.2 Chemical stability** Stable if used according to specifications.
- **Thermal decomposition / conditions to be avoided:**  
Protect from heat and direct sunlight.  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Danger of polymerisation.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**  
Reacts with peroxides and other radical forming substances.  
Reacts with reducing agents.  
Reacts with heavy metals.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**  
Methylmethacrylate: LD-50 oral >5000 mg/kg rat (Lit.)  
LD-50 inhalativ 7093 ppm/4h rat (Lit.)
- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation** Low irritant effect
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause respiratory irritation.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**  
Fish Toxicity (MMA):  
LC-50 > 79 mg/l OECD 203  
NOEC: 40 mg/l ISO 7346  
Exposure: 96 h EEC84  
Spezies: 449 V, C1  
Oncorhynchus mykiss

(Contd. on page 7)



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 6

Revision: 06.03.2023

**Trade name: Castdon Monomer**

(Contd. of page 6)

Bacterial Toxicity: ECO: 100 mg/l

Spezies of cells: Pseudomonas putida

· **12.2 Persistence and degradability** No further relevant information available.· **Behaviour in environmental systems:**· **Components:**

Methylmethacrylat:

Biodegradability: 30,7 %

Test Duration: 28 d

Method: OECD 301 C

Scoring: Not ready degradability

· **12.3 Bioaccumulative potential** No further relevant information available.· **12.4 Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **12.5 Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

· **Waste disposal key:** 070104· **European waste catalogue**

HP 3	Flammable
HP 4	Irritant - skin irritation and eye damage
HP 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 13	Sensitising

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

· **14.1 UN-Number**· **ADR, IMDG, IATA**

UN1247

· **14.2 UN proper shipping name**· **ADR**

1247 METHYLMETHACRYLAT, MONOMER, STABILISIERT, Lösung

· **IMDG, IATA**

METHYL METHACRYLATE MONOMER, STABILIZED, Solution

(Contd. on page 8)

GB



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 6

Revision: 06.03.2023

**Trade name: Castdon Monomer**

(Contd. of page 7)

**· 14.3 Transport hazard class(es)**
**· ADR, IMDG, IATA**


**· Class** 3 Flammable liquids.  
**· Label** 3

**· 14.4 Packing group**
**· ADR, IMDG, IATA** II

**· 14.5 Environmental hazards:**
**· Marine pollutant:** No

**· 14.6 Special precautions for user**

**· Danger code (Kemler):** Warning: Flammable liquids.  
 339  
**· EMS Number:** F-E,S-D  
**· Stowage Category** B  
**· Stowage Code** SW2 Clear of living quarters.

**· 14.7 Transport in bulk according to Annex II  
of Marpol and the IBC Code**

Not applicable.

**· Transport/Additional information:**
**· ADR**

**· Limited quantities (LQ)** 1L  
**· Excepted quantities (EQ)** Code: E2  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 500 ml  
**· Transport category** 2  
**· Tunnel restriction code** D/E

**· IMDG**

**· Limited quantities (LQ)** 1L  
**· Excepted quantities (EQ)** Code: E2  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 500 ml

**· UN "Model Regulation":**

 UN 1247 METHYL METHACRYLATE  
 MONOMER, STABILIZED, 3, II

### SECTION 15: Regulatory information

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

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5.000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50.000 t

(Contd. on page 9)



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 6

Revision: 06.03.2023

**Trade name: Castdon Monomer**

(Contd. of page 8)

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning juveniles must be observed.  
Employment restrictions concerning pregnant and lactating women must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.
- **Department issuing SDS:** Department Research & Development
- **Contact:** Dr. Thomas Veit, Lothar Sutor, Susanne Weber
- **Abbreviations and acronyms:**  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organisation  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 2: Flammable liquids – Category 2  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Skin Sens. 1: Skin sensitisation – Category 1  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- **\* Data compared to the previous version altered.**

GB

Trade name: Castdon Polymer

Substance number: 1646

Version: 1 / GB

Date revised: 07.03.2023

Replaces Version: - / GB

Print date: 24.03.2023

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

### 1.1. Product identifier

Castdon Polymer

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

#### Use of the substance/preparation

Plastic for the manufacturing and repair of dentures

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

#### Address/Manufacturer

Dreve Otoplastik 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  
for this SDS

sicherheitsdatenblatt@dreve.de

### 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

EUH208 Contains

Methyl methacrylate monomer, stabilized, Dibenzoyl peroxide, May produce an allergic reaction.

#### Supplemental information

EUH210

Safety data sheet available on request.

### 2.3. Other hazards

No special hazards have to be mentioned.

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Trade name: Castdon Polymer

Substance number: 1646

Version: 1 / GB

Date revised: 07.03.2023

Replaces Version: - / GB

Print date: 24.03.2023

Acrylic resin based on polymethyl methacrylate

**Hazardous ingredients****Methyl methacrylate monomer, stabilized**

CAS No.	80-62-6			
EINECS no.	201-297-1			
Registration no.	01-2119452498-28			
Concentration	>= 0,1	< 1	%	
Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 2	H225		
	Skin Irrit. 2	H315		
	Skin Sens. 1	H317		
	STOT SE 3	H335		

Additional remarks:

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

**Dibenzoyl peroxide**

CAS No.	94-36-0			
EINECS no.	202-327-6			
Registration no.	01-2119511472-50			
Concentration	>= 0,1	< 1	%	
Classification (Regulation (EC) No. 1272/2008)				
	Org. Perox. B	H241		
	Eye Irrit. 2	H319		
	Skin Sens. 1	H317		

## 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**

Rinse out mouth and give plenty of water to drink.

**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.

Trade name: Castdon Polymer

Substance number: 1646

Version: 1 / GB

Replaces Version: - / GB

Date revised: 07.03.2023

Print date: 24.03.2023

## 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

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

### 6.2. Environmental precautions

Do not allow to enter drains or waterways.

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

Pick up mechanically. Clean contaminated floors and objects thoroughly, observing environmental regulations.

### 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

Observe the usual precautions for handling chemicals.

#### 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

Trade name: Castdon Polymer

Substance number: 1646

Version: 1 / GB

Date revised: 07.03.2023

Replaces Version: - / GB

Print date: 24.03.2023

**Other information**

Contains no substances with occupational exposure limit values.

**Derived No/Minimal Effect Levels (DNEL/DMEL)****Methyl methacrylate monomer, stabilized**

Reference substance	Methyl methacrylate monomer, stabilized	
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	208	mg/m <sup>3</sup>
Type of value	Methyl methacrylate monomer, stabilized Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	13,7	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Concentration	416	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	0,0015	mg/cm <sup>2</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	8,2	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	8,2	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Short term	
Route of exposure	inhalative	
Concentration	208	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	

Trade name: Castdon Polymer

Substance number: 1646

Version: 1 / GB

Date revised: 07.03.2023

Replaces Version: - / GB

Print date: 24.03.2023

Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	74,3	mg/m <sup>3</sup>

**Predicted No Effect Concentration (PNEC)****Methyl methacrylate monomer, stabilized**

Reference substance	Methyl methacrylate monomer, stabilized	
Type of value	PNEC	
Type	Freshwater	
Concentration	0,94	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,094	mg/l
Type of value	PNEC	
Type	Soil	
Concentration	1,48	mg/kg
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	10,2	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	10	mg/l
Type of value	PNEC	
Type	Man via the environment	
Concentration	8,2	mg/kg/d
Type of value	PNEC	
Type	Marine sediment	
Concentration	1,2	mg/kg

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

Observe the usual precautions for handling chemicals.

**Respiratory protection**

Use suitable respiratory protective device in case of insufficient ventilation; Dust mask

**Hand protection**

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

Appropriate Material Butyl rubber

**Eye protection**

Safety glasses

**Body protection**

Clothing as usual in the chemical industry.

Trade name: Castdon Polymer

Substance number: 1646

Version: 1 / GB

Date revised: 07.03.2023

Replaces Version: - / GB

Print date: 24.03.2023

## SECTION 9: Physical and chemical properties

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

**Physical state**

Powder

**Colour**

pink

**Odour**

characteristic

**Melting point**

Value

appr. 110

°C

**Freezing point**

Remarks

not determined

**Boiling point or initial boiling point and boiling range**

Remarks

not determined

**Flammability**

not determined

**Upper and lower explosive limits**

Remarks

not determined

**Flash point**

Remarks

Not applicable

**Ignition temperature**

Value

&gt; 400

°C

**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**

Remarks

not determined

**Density and/or relative density**

Value

1,16

g/cm<sup>3</sup>**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

Trade name: Castdon Polymer

Substance number: 1646

Version: 1 / GB

Date revised: 07.03.2023

Replaces Version: - / GB

Print date: 24.03.2023

**Explosive properties**

evaluation no

**Oxidising properties**

Remarks not determined

**Bulk density**Value 700 to 750 kg/m<sup>3</sup>**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**

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

**Acute oral toxicity (Components)****Methyl methacrylate monomer, stabilized**

Species	rat	
LD50	appr. 7900	mg/kg

**Dibenzoyl peroxide**

Species	mouse	
LD0	> 2000	mg/kg
Method	OECD 401	

**Acute dermal toxicity**

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

**Acute dermal toxicity (Components)****Methyl methacrylate monomer, stabilized**

Species	rabbit	
LD50	> 5000	mg/kg
Method	OECD 402	

**Acute inhalational toxicity**

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

Trade name: Castdon Polymer

Substance number: 1646

Version: 1 / GB

Date revised: 07.03.2023

Replaces Version: - / GB

Print date: 24.03.2023

**Acute inhalative toxicity (Components)****Methyl methacrylate monomer, stabilized**

Species	rat		
LC50	29,8		mg/l
Duration of exposure	4	h	
Administration/Form	Vapors		

**Dibenzoyl peroxide**

Species	rat (male)		
LC0	24,03		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)****Methyl methacrylate monomer, stabilized**

Species	Human
evaluation	irritant

**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.
---------	---

**Sensitization (Components)****Methyl methacrylate monomer, stabilized**

Route of exposure	dermal
Species	mouse
evaluation	sensitizing
Method	OECD 429

**Dibenzoyl peroxide**

Route of exposure	dermal
Species	mouse
evaluation	sensitizing
Method	OECD 429

**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.
---------	---

**Specific Target Organ Toxicity (STOT) (Components)****Methyl methacrylate monomer, stabilized**

Trade name: Castdon Polymer

Substance number: 1646

Version: 1 / GB

Date revised: 07.03.2023

Replaces Version: - / GB

Print date: 24.03.2023

**Single exposure**

evaluation

May cause respiratory irritation.

Route of exposure inhalative

**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**

This substance does not have endocrine disrupting properties with respect to humans.

**Other information**

Conditional of manufacturing there is a content of dibenzoylperoxide of ma. 0,5%.

## SECTION 12: Ecological information

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

not determined

**Fish toxicity (Components)****Methyl methacrylate monomer, stabilized**

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )		
LC50	>	79	mg/l
Duration of exposure	96	h	

**Methyl methacrylate monomer, stabilized**

Species	zebra fish ( <i>Brachydanio rerio</i> )		
NOEC		9,4	mg/l
Duration of exposure	35	d	
Method	OECD 210		

**Dibenzoyl peroxide**

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )		
LC50		0,06	mg/l
Duration of exposure	96	h	
Method	OECD 203		

**Daphnia toxicity (Components)****Methyl methacrylate monomer, stabilized**

Species	Daphnia magna		
EC50		69	mg/l
Duration of exposure	48	h	

**Methyl methacrylate monomer, stabilized**

Species	Daphnia magna		
NOEC		37	mg/l
Duration of exposure	21	d	
Method	OECD 211		

**Dibenzoyl peroxide**

Species	Daphnia magna		
EC50		0,11	mg/l
Duration of exposure	48	h	
Method	OECD 202		

**Dibenzoyl peroxide**

Species	Daphnia magna		
---------	---------------	--	--

Trade name: Castdon Polymer

Substance number: 1646

Version: 1 / GB

Date revised: 07.03.2023

Replaces Version: - / GB

Print date: 24.03.2023

EC10	0,001		mg/l
Duration of exposure	21	d	
Method	OECD 211		

**Algae toxicity (Components)****Methyl methacrylate monomer, stabilized**

Species	Pseudokirchneriella subcapitata		
EC50	> 110		mg/l
Duration of exposure	72	h	
Method	OECD 201		

**Dibenzoyl peroxide**

Species	Pseudokirchneriella subcapitata		
ErC50	0,0711		mg/l
Duration of exposure	72	h	
Method	OECD 201		

**Bacteria toxicity (Components)****Methyl methacrylate monomer, stabilized**

Species	activated sludge		
NOEC	> 100		mg/l
Duration of exposure	14	d	

**Dibenzoyl peroxide**

Species	activated sludge		
EC50	35		mg/l
Duration of exposure	30	min	

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

not determined

**Biodegradability (Components)****Dibenzoyl peroxide**

Value	71		%
Duration of test	28	d	
evaluation	Readily biodegradable (according to OECD criteria)		

**Ready degradability (Components)****Methyl methacrylate monomer, stabilized**

Value	94		%
Duration of test	14	d	

**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)****Methyl methacrylate monomer, stabilized**

log Pow	1,38		
Temperature	20	°C	
Method	OECD 107		

**Dibenzoyl peroxide**

log Pow	3,2		
Temperature	22	°C	

Trade name: Castdon Polymer

Substance number: 1646

Version: 1 / GB

Date revised: 07.03.2023

Replaces Version: - / GB

Print date: 24.03.2023

**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 Substance does not meet PBT-criteria.

This substance does not meet the vPvB-criteria.

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

This substance does not have 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**

EWC waste code 07 02 13 waste plastic

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
<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.
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>		-	-
Label			
<b>14.4. Packing group</b>		-	-

Trade name: Castdon Polymer

Substance number: 1646

Version: 1 / GB

Replaces Version: - / GB

Date revised: 07.03.2023

Print date: 24.03.2023

## 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

H225	Highly flammable liquid and vapour.
H241	Heating may cause a fire or explosion.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

### CLP categories listed in Chapter 3

Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
Org. Perox. B	Organic peroxide, Type B
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

### 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: Isolat / Isolat film

Substance number: 12600

Version: 1 / GB

Date revised: 23.06.2023

Replaces Version: - / GB

Print date: 23.06.2023

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

### 1.1. Product identifier

Isolat / Isolat film

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

#### Use of the substance/preparation

Insulating agent on the basis of alginate

### 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 & 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. 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

Warning

#### Hazard statements

H317

May cause an allergic skin reaction.

Trade name: Isolat / Isolat film

Substance number: 12600

Version: 1 / GB

Date revised: 23.06.2023

Replaces Version: - / GB

Print date: 23.06.2023

**Precautionary statements**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
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-Methyl-2H-isothiazol-3-one

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

CAS No.	2682-20-4
EINECS no.	220-239-6
Registration no.	01-2120764690-50
Concentration	$\geq$ 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

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

Aquatic Acute 1	H400	M = 10
Skin Sens. 1A	H317	$\geq$ 0,0015 %
Aquatic Chronic 1		M = 1

**Further ingredients****Glycerol**

CAS No.	56-81-5
EINECS no.	200-289-5
Registration no.	01-2119471987-18
Concentration	$\geq$ 1 < 10 %
Advice: [3]	

**Note**

Trade name: Isolat / Isolat film

Substance number: 12600

Version: 1 / GB

Replaces Version: - / GB

Date revised: 23.06.2023

Print date: 23.06.2023

[3] Substance with occupational exposure limits

## 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

### 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

Trade name: Isolat / Isolat film

Substance number: 12600

Version: 1 / GB

Date revised: 23.06.2023

Replaces Version: - / GB

Print date: 23.06.2023

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

#### Exposure limit values

##### Glycerol

List TRGS 900

Type E

Short term exposure limit 200 mg/m<sup>3</sup>

Maximum limit value: 2(l) Pregnancy group: Y; Status: 05/16; Remarks: DGF

#### 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

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.

Appropriate Material nitrile

Hand protection must comply with EN 374.

#### Eye protection

Safety glasses

Trade name: Isolat / Isolat film

Substance number: 12600

Version: 1 / GB

Date revised: 23.06.2023

Replaces Version: - / GB

Print date: 23.06.2023

**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**

reddish

**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 determined

**Upper and lower explosive limits**

Remarks

not determined

**Flash point**

Remarks

Not applicable

**Ignition temperature**

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

1,0

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) :**

Trade name: Isolat / Isolat film

Substance number: 12600

Version: 1 / GB

Date revised: 23.06.2023

Replaces Version: - / GB

Print date: 23.06.2023

Remarks not determined

**Solubility in water**

Remarks miscible in all proportions

**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 991,632 mg/kg  
4

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

**Acute oral toxicity (Components)****2-Methyl-2H-isothiazol-3-one**Species rat (male)  
LD50 232 249 mg/kg**2-Methyl-2H-isothiazol-3-one**Species rat (female)  
LD50 120 mg/kg**Glycerol**Species rat  
LD50 12,6 g/kg**Acute dermal toxicity**ATE 787,009 mg/kg  
8

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

Trade name: Isolat / Isolat film

Substance number: 12600

Version: 1 / GB

Date revised: 23.06.2023

Replaces Version: - / GB

Print date: 23.06.2023

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

Species	rat	
LD50	242	mg/kg
Method	OECD 402	

**Glycerol**

Species	rabbit	
LD50	> 10	g/kg

**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	0,34	mg/m <sup>3</sup>
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

**Serious eye damage/irritation**

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

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

Species	rabbit
evaluation	corrosive

**Sensitization**

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

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

Species	mouse
evaluation	sensitizing
Method	OECD 406

**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)**

Trade name: Isolat / Isolat film

Substance number: 12600

Version: 1 / GB

Date revised: 23.06.2023

Replaces Version: - / GB

Print date: 23.06.2023

**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 (Oncorhynchus mykiss)		
LC50	4,77		mg/l
Duration of exposure	96	h	
Method	OECD 203		

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

Species	rainbow trout (Oncorhynchus mykiss)		
NOEC	4,93		mg/l

**Glycerol**

Species	rainbow trout (Oncorhynchus mykiss)		
LC50	> 50000		mg/l
Duration of exposure	96	h	

**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		

**Glycerol**

Species	Daphnia magna		
EC50	> 10		g/l
Duration of exposure	24	h	

**Algae toxicity (Components)**

Trade name: Isolat / Isolat film

Substance number: 12600

Version: 1 / GB

Date revised: 23.06.2023

Replaces Version: - / GB

Print date: 23.06.2023

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

Species	Pseudokirchneriella subcapitata	
EC50	0,103	mg/l
Duration of exposure	72	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	

**Glycerol**

Species	Pseudomonas putida	
EC50	> 10	g/l
Duration of exposure	16	h

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

not determined

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

Value	50	%
Duration of test	29	d
evaluation	not readily degradable	

**Ready degradability (Components)****Glycerol**

Value	94	%
Duration of test	24	h

**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**

pOW	<= 0,32
-----	---------

**Glycerol**

log Pow	-2,6
---------	------

**Bioconcentration factor (BCF) (Components)****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**

Trade name: Isolat / Isolat film

Substance number: 12600

Version: 1 / GB

Date revised: 23.06.2023

Replaces Version: - / GB

Print date: 23.06.2023

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 or ID 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.
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>	-	-	-
Label			
<b>14.4. Packing group</b>		-	-

## SECTION 15: Regulatory information

Trade name: Isolat / Isolat film

Substance number: 12600

Version: 1 / GB

Date revised: 23.06.2023

Replaces Version: - / GB

Print date: 23.06.2023

**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)

Skin Sens. 1A

H317

Calculation method

**Hazard statements listed in Chapter 2/3**

H301	Toxic if swallowed.
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.
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
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Sens. 1A	Skin sensitization, Category 1A

**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: Siliform Comp. A

Substance number: 18401

Version: 1 / GB

Replaces Version: - / GB

Date revised: 04.07.2023

Print date: 04.07.2023

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

### 1.1. Product identifier

Siliform Comp. A

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

#### Use of the substance/preparation

Addition-vulcanising silicone material for the embedding into the denture pouring technique

### 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  
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

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

Trade name: Siliform Comp. A

Substance number: 18401

Version: 1 / GB

Date revised: 04.07.2023

Replaces Version: - / GB

Print date: 04.07.2023

**Chemical characterization**

Addition-vulcanising 2-component silicone

**Hazardous ingredients****Cristobalite**

CAS No.	14464-46-1			
EINECS no.	238-455-4			
Concentration	>= 25	<	50	%
Classification (Regulation (EC) No. 1272/2008)	STOT RE 1		H372	

**White mineral oil**

CAS No.	8042-47-5			
EINECS no.	232-455-8			
Registration no.	01-2119487078-27			
Concentration	>= 10	<	25	%
Classification (Regulation (EC) No. 1272/2008)	Asp. Tox. 1		H304	

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

EINECS no.	920-114-2			
Registration no.	01-2119459347-30			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)	Asp. Tox. 1		H304	

## SECTION 4: First aid measures

**4.1. Description of first aid measures****General information**

No special measures required

**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 - aspiration hazard. 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

Trade name: Siliform Comp. A

Substance number: 18401

Version: 1 / GB

Replaces Version: - / GB

Date revised: 04.07.2023

Print date: 04.07.2023

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

#### Special protective equipment for fire-fighting

In case of combustion use a suitable 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

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 mechanically. Clean contaminated floors and objects thoroughly, observing environmental regulations.

### 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

Observe the usual precautions for handling chemicals. For personal protection see Section 8.

#### 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.

Trade name: Siliform Comp. A

Substance number: 18401

Version: 1 / GB

Date revised: 04.07.2023

Replaces Version: - / GB

Print date: 04.07.2023

**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****Exposure limit values****White mineral oil**

List	TRGS 900	
Type	AGW	
A		
Value	5	mg/m <sup>3</sup>
Short term exposure limit	20	mg/m <sup>3</sup>
Maximum limit value: 4(II) Pregnancy group: Y; Status: Sept 2015; Remarks: DGF		

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

List	TRGS 900	
Type	AGW	
Value	300	mg/m <sup>3</sup>
Short term exposure limit	600	mg/m <sup>3</sup>

**Other information**

Contains no substances with occupational exposure limit values.

**Derived No/Minimal Effect Levels (DNEL/DMEL)****White mineral oil**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	164,6	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	217,1	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Repeated exposure	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	34,78	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	

Trade name: Siliform Comp. A

Substance number: 18401

Version: 1 / GB

Replaces Version: - / GB

Date revised: 04.07.2023

Print date: 04.07.2023

Concentration	93,02	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Repeated exposure	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	25	mg/kg/d

## 8.2. Exposure controls

### General protective and hygiene measures

Observe the usual precautions for handling chemicals. Do not eat, drink or smoke during work time.  
Wash hands before breaks and after work. Avoid contact with eyes.

### Respiratory protection

Not necessary.

### Hand protection

Not necessary.

### Eye protection

Not necessary.

### 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	
<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	> 300	°C
<b>Flammability</b>		
evaluation	not determined	
<b>Upper and lower explosive limits</b>		
Remarks	not determined	
<b>Flash point</b>		
Value	> 130	°C
Method	closed cup	
<b>Ignition temperature</b>		
Remarks	not determined	
<b>Decomposition temperature</b>		
Remarks	not determined	
<b>pH value</b>		

Trade name: Siliform Comp. A

Substance number: 18401

Version: 1 / GB

Date revised: 04.07.2023

Replaces Version: - / GB

Print date: 04.07.2023

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 1,2 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**

No hazardous reactions known.

**10.5. Incompatible materials**

None known

**10.6. Hazardous decomposition products**

No hazardous decomposition products known.

Trade name: Siliform Comp. A

Substance number: 18401

Version: 1 / GB

Date revised: 04.07.2023

Replaces Version: - / GB

Print date: 04.07.2023

## 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)

##### White mineral oil

Species	rat	
LD50	> 5000	mg/kg
Method	OECD 401	

##### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

Species	rat	
LD50	> 5000	mg/kg
Method	OECD 401	
Remarks	Test conducted with a similar formulation.	

#### Acute dermal toxicity

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

#### Acute dermal toxicity (Components)

##### White mineral oil

Species	rabbit	
LD50	> 2000	mg/kg
Method	OECD 402	

##### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

Species	rabbit	
LD50	> 3160	mg/kg
Method	OECD 402	

#### Acute inhalational toxicity

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

#### Acute inhalative toxicity (Components)

##### White mineral oil

Species	rat	
LC50	> 5	mg/l
Duration of exposure	4	h
Administration/Form	Dust/Mist	
Method	OECD 403	

##### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

Species	rat	
LC50	> 5266	mg/m <sup>3</sup>
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.

#### 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

Trade name: Siliform Comp. A

Substance number: 18401

Version: 1 / GB

Replaces Version: - / GB

Date revised: 04.07.2023

Print date: 04.07.2023

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.

**Specific Target Organ Toxicity (STOT) (Components)****Cristobalite****Repeated exposure**evaluation Causes damage to organs through prolonged or repeated exposure  
Route of exposure inhalative**Aspiration hazard**

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

**Aspiration hazard (Components)****White mineral oil**

Harmful: may cause lung damage if swallowed.

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Harmful: may cause lung damage if swallowed.

**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)****White mineral oil**

Species	golden orfe ( <i>Leuciscus idus</i> )	
LC50	> 10000	mg/l
Duration of exposure	96	h
Method	OECD 203	

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )	
NOELR	> 1000	mg/l

Trade name: Siliform Comp. A

Substance number: 18401

Version: 1 / GB

Date revised: 04.07.2023

Replaces Version: - / GB

Print date: 04.07.2023

Duration of exposure 28 d  
 Remarks The details of the toxic effect relate to the nominal concentration.

**Daphnia toxicity (Components)****White mineral oil**

Species Daphnia magna  
 LL50 > 100 mg/l  
 Duration of exposure 48 h  
 Method OECD 202

**White mineral oil**

Species Daphnia magna  
 NOEC 10 mg/l  
 Duration of exposure 21 d  
 Method OECD 211

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Species Acartia tonsa  
 LL50 > 3193 mg/l  
 Duration of exposure 48 h  
 Remarks The details of the toxic effect relate to the nominal concentration.

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Species Daphnia magna  
 NOELR 5 mg/l  
 Duration of exposure 21 d  
 Remarks The details of the toxic effect relate to the nominal concentration.

**Algae toxicity (Components)****White mineral oil**

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

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Species Skeletonema costatum  
 EL50 > 3200 mg/l  
 Duration of exposure 72 h  
 Remarks The details of the toxic effect relate to the nominal concentration.

**Bacteria toxicity (Components)****Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Species activated sludge  
 EC50 > 100 mg/l  
 Duration of exposure 3 h  
 Method OECD 209

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

not determined

**Biodegradability (Components)****White mineral oil**

Value 31 %  
 Duration of test 28 d  
 evaluation biodegradable

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Value 74 %  
 Duration of test 28 d

Trade name: Siliform Comp. A

Substance number: 18401

Version: 1 / GB

Replaces Version: - / GB

Date revised: 04.07.2023

Print date: 04.07.2023

evaluation

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)

##### White mineral oil

log Pow &lt;= 4,3 to 18.2

Temperature 20 °C

Source calculated value

##### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

log Pow 5,22 to 9,67

Temperature 20 °C

### 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 allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

## 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.



Trade name: Siliform Comp. A

Substance number: 18401

Version: 1 / GB

Date revised: 04.07.2023

Replaces Version: - / GB

Print date: 04.07.2023

## SECTION 14: Transport information

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

## 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 2/3

H304 May be fatal if swallowed and enters airways.  
H372 Causes damage to organs through prolonged or repeated exposure.

### CLP categories listed in Chapter 2/3

Asp. Tox. 1 Aspiration hazard, Category 1  
STOT RE 1 Specific target organ toxicity - repeated exposure, Category 1

### 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: Siliform Comp. B

Substance number: 18402

Version: 1 / GB

Replaces Version: - / GB

Date revised: 04.07.2023

Print date: 04.07.2023

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

### 1.1. Product identifier

Siliform Comp. B

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

#### Use of the substance/preparation

Addition-vulcanising silicone material for the embedding into the denture pouring technique

### 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  
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

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

Trade name: Siliform Comp. B

Substance number: 18402

Version: 1 / GB

Date revised: 04.07.2023

Replaces Version: - / GB

Print date: 04.07.2023

**Chemical characterization**

Addition-vulcanising 2-component silicone

**Hazardous ingredients****Cristobalite**

CAS No.	14464-46-1			
EINECS no.	238-455-4			
Concentration	>= 25	<	50	%
Classification (Regulation (EC) No. 1272/2008)	STOT RE 1		H372	

**White mineral oil**

CAS No.	8042-47-5			
EINECS no.	232-455-8			
Registration no.	01-2119487078-27			
Concentration	>= 10	<	25	%
Classification (Regulation (EC) No. 1272/2008)	Asp. Tox. 1		H304	

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

EINECS no.	920-114-2			
Registration no.	01-2119459347-30			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)	Asp. Tox. 1		H304	

## SECTION 4: First aid measures

**4.1. Description of first aid measures****General information**

No special measures required

**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 - aspiration hazard. 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

Trade name: Siliform Comp. B

Substance number: 18402

Version: 1 / GB

Replaces Version: - / GB

Date revised: 04.07.2023

Print date: 04.07.2023

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

#### Special protective equipment for fire-fighting

In case of combustion use a suitable 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

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 mechanically. Clean contaminated floors and objects thoroughly, observing environmental regulations.

### 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

Observe the usual precautions for handling chemicals. For personal protection see Section 8.

#### 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.

Trade name: Siliform Comp. B

Substance number: 18402

Version: 1 / GB

Date revised: 04.07.2023

Replaces Version: - / GB

Print date: 04.07.2023

**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****Exposure limit values****White mineral oil**

List	TRGS 900	
Type	AGW	
A		
Value	5	mg/m <sup>3</sup>
Short term exposure limit	20	mg/m <sup>3</sup>
Maximum limit value: 4(II) Pregnancy group: Y; Status: Sept 2015; Remarks: DGF		

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

List	TRGS 900	
Type	AGW	
Value	300	mg/m <sup>3</sup>
Short term exposure limit	600	mg/m <sup>3</sup>

**Other information**

Contains no substances with occupational exposure limit values.

**Derived No/Minimal Effect Levels (DNEL/DMEL)****White mineral oil**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	164,6	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	217,1	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Repeated exposure	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	34,78	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Repeated exposure	
Route of exposure	dermal	
Mode of action	Systemic effects	

Trade name: Siliform Comp. B

Substance number: 18402

Version: 1 / GB

Date revised: 04.07.2023

Replaces Version: - / GB

Print date: 04.07.2023

Concentration	93,02	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Repeated exposure	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	25	mg/kg/d

## 8.2. Exposure controls

### General protective and hygiene measures

Observe the usual precautions for handling chemicals. Do not eat, drink or smoke during work time.  
Wash hands before breaks and after work. Avoid contact with eyes.

### Respiratory protection

Not necessary.

### Hand protection

Not necessary.

### Eye protection

Not necessary.

### 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	
<b>Colour</b>	yellowish	
<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	> 300	°C
<b>Flammability</b>		
evaluation	not determined	
<b>Upper and lower explosive limits</b>		
Remarks	not determined	
<b>Flash point</b>		
Value	> 130	°C
Method	closed cup	
<b>Ignition temperature</b>		
Remarks	not determined	
<b>Decomposition temperature</b>		
Remarks	not determined	
<b>pH value</b>		

Trade name: Siliform Comp. B

Substance number: 18402

Version: 1 / GB

Date revised: 04.07.2023

Replaces Version: - / GB

Print date: 04.07.2023

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 1,2 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**

No hazardous reactions known.

**10.5. Incompatible materials**

None known

**10.6. Hazardous decomposition products**

No hazardous decomposition products known.

Trade name: Siliform Comp. B

Substance number: 18402

Version: 1 / GB

Replaces Version: - / GB

Date revised: 04.07.2023

Print date: 04.07.2023

## 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)

##### White mineral oil

Species	rat	
LD50	> 5000	mg/kg
Method	OECD 401	

##### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

Species	rat	
LD50	> 5000	mg/kg
Method	OECD 401	
Remarks	Test conducted with a similar formulation.	

#### Acute dermal toxicity

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

#### Acute dermal toxicity (Components)

##### White mineral oil

Species	rabbit	
LD50	> 2000	mg/kg
Method	OECD 402	

##### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

Species	rabbit	
LD50	> 3160	mg/kg
Method	OECD 402	

#### Acute inhalational toxicity

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

#### Acute inhalative toxicity (Components)

##### White mineral oil

Species	rat	
LC50	> 5	mg/l
Duration of exposure	4	h
Administration/Form	Dust/Mist	
Method	OECD 403	

##### Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics

Species	rat	
LC50	> 5266	mg/m <sup>3</sup>
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.

#### 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

Trade name: Siliform Comp. B

Substance number: 18402

Version: 1 / GB

Replaces Version: - / GB

Date revised: 04.07.2023

Print date: 04.07.2023

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.

**Specific Target Organ Toxicity (STOT) (Components)****Cristobalite****Repeated exposure**evaluation Causes damage to organs through prolonged or repeated exposure  
Route of exposure inhalative**Aspiration hazard**

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

**Aspiration hazard (Components)****White mineral oil**

Harmful: may cause lung damage if swallowed.

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Harmful: may cause lung damage if swallowed.

**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)****White mineral oil**

Species	golden orfe ( <i>Leuciscus idus</i> )	
LC50	> 10000	mg/l
Duration of exposure	96	h
Method	OECD 203	

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )	
NOELR	> 1000	mg/l

Trade name: Siliform Comp. B

Substance number: 18402

Version: 1 / GB

Date revised: 04.07.2023

Replaces Version: - / GB

Print date: 04.07.2023

Duration of exposure 28 d  
 Remarks The details of the toxic effect relate to the nominal concentration.

**Daphnia toxicity (Components)****White mineral oil**

Species Daphnia magna  
 LL50 > 100 mg/l  
 Duration of exposure 48 h  
 Method OECD 202

**White mineral oil**

Species Daphnia magna  
 NOEC 10 mg/l  
 Duration of exposure 21 d  
 Method OECD 211

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Species Acartia tonsa  
 LL50 > 3193 mg/l  
 Duration of exposure 48 h  
 Remarks The details of the toxic effect relate to the nominal concentration.

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Species Daphnia magna  
 NOELR 5 mg/l  
 Duration of exposure 21 d  
 Remarks The details of the toxic effect relate to the nominal concentration.

**Algae toxicity (Components)****White mineral oil**

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

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Species Skeletonema costatum  
 EL50 > 3200 mg/l  
 Duration of exposure 72 h  
 Remarks The details of the toxic effect relate to the nominal concentration.

**Bacteria toxicity (Components)****Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Species activated sludge  
 EC50 > 100 mg/l  
 Duration of exposure 3 h  
 Method OECD 209

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

not determined

**Biodegradability (Components)****White mineral oil**

Value 31 %  
 Duration of test 28 d  
 evaluation biodegradable

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

Value 74 %  
 Duration of test 28 d

Trade name: Siliform Comp. B

Substance number: 18402

Version: 1 / GB

Date revised: 04.07.2023

Replaces Version: - / GB

Print date: 04.07.2023

evaluation

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)****White mineral oil**

log Pow &lt;= 4,3 to 18.2

Temperature 20 °C

Source calculated value

**Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics**

log Pow 5,22 to 9,67

Temperature 20 °C

**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 allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

## 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.



Trade name: Siliform Comp. B

Substance number: 18402

Version: 1 / GB

Date revised: 04.07.2023

Replaces Version: - / GB

Print date: 04.07.2023

**SECTION 14: Transport information**

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

**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 2/3**

H304

May be fatal if swallowed and enters airways.

H372

Causes damage to organs through prolonged or repeated exposure.

**CLP categories listed in Chapter 2/3**

Asp. Tox. 1

Aspiration hazard, Category 1

STOT RE 1

Specific target organ toxicity - repeated exposure, Category 1

**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.