

Trade name: FotoDent biobased model

Substance number: 8960

Version: 2 / GB

Date revised: 06.10.2025

Replaces Version: 1 / GB

Print date: 06.10.2025

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

### 1.1. Product identifier

FotoDent biobased model

This substance/mixture contains components in nanoform

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

#### Use of the substance/preparation

Light-curing material for the fabrication of dental working models

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

#### Address/Manufacturer

Dreve Dentamid GmbH

Max-Planck-Straße 31

DE-59423 Unna

Telephone no.

+49 2303 8807-0

Fax no.

+49 2303 8807-29

Information provided  
by / telephone

Department Research &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

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

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

Acute Tox. 4 H302

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Skin Sens. 1 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

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Warning

**Hazard statements**

|      |                                      |
|------|--------------------------------------|
| H302 | Harmful if swallowed.                |
| H315 | Causes skin irritation.              |
| H319 | Causes serious eye irritation.       |
| H317 | May cause an allergic skin reaction. |

**Precautionary statements**

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P261           | Avoid breathing dust/fume/gas/mist/vapours/spray.                                                                                |
| P264.1         | Wash hands thoroughly after handling.                                                                                            |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                                                       |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P330           | Rinse mouth.                                                                                                                     |
| P501.1         | Dispose of contents/container to industrial incineration plant.                                                                  |

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

|              |                                                                                                                                                                                                                                                                                                       |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| contains *** | Acrylic oligomer; Fatty acids, C18-unsatd., dimers, polymers with acrylic acid and 1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione; Propylidynetrimethanol, ethoxylated, esters with acrylic acid; (2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyl)tri-2,1-ethanediyl triacrylate |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**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 \*\*\*****Acrylic oligomer**

|                                                |               |      |   |
|------------------------------------------------|---------------|------|---|
| Concentration                                  | >=            | 50   | % |
| Classification (Regulation (EC) No. 1272/2008) |               |      |   |
|                                                | Acute Tox. 4  | H302 |   |
|                                                | Skin Irrit. 2 | H315 |   |
|                                                | Eye Irrit. 2  | H319 |   |
|                                                | Skin Sens. 1  | H317 |   |

ATE oral 550 mg/kg

**Fatty acids, C18-unsatd., dimers, polymers with acrylic acid and 1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione**

|                                                |              |      |   |      |
|------------------------------------------------|--------------|------|---|------|
| CAS No.                                        | 327622-75-3  |      |   |      |
| EINECS no.                                     | 684-587-4    |      |   |      |
| Concentration                                  | >=           | 1    | < | 10 % |
| Classification (Regulation (EC) No. 1272/2008) |              |      |   |      |
|                                                | Skin Sens. 1 | H317 |   |      |

**(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyl)tri-2,1-ethanediyl triacrylate**

|            |            |
|------------|------------|
| CAS No.    | 40220-08-4 |
| EINECS no. | 254-843-6  |

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Registration no. 01-2120741502-64  
 Concentration  $\geq 0,1$  < 1 %  
 Classification (Regulation (EC) No. 1272/2008)  
     Eye Dam. 1 H318  
     Skin Sens. 1 H317  
     Aquatic Chronic 2 H411

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

CAS No. 28961-43-5  
 EINECS no. 500-066-5  
 Registration no. 01-2119489900-30  
 Concentration  $\geq 0,1$  < 1 %  
 Classification (Regulation (EC) No. 1272/2008)  
     Eye Irrit. 2 H319  
     Skin Sens. 1B H317  
     Aquatic Chronic 3 H412

**Further ingredients****Dichlorodimethylsilane, reaction products with silica**

CAS No. 68611-44-9  
 EINECS no. 271-893-4  
 Registration no. 01-2119379499-16  
 Concentration < 1 %  
 Advice: [7]

Name of set of nanoform Nanoagglomerate  
 Particle size distribution d50 2,5-50 nm  
     Method Transmission Electron Microscopy (TEM)  
 Shape and aspect ratio of particles Spheroidal

**Note**

[7] Nanoforms

## SECTION 4: First aid measures

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

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

**After inhalation**

Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

**After skin contact**

After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if skin irritation persists.

**After eye contact**

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

**After ingestion**

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

**Adhere to personal protective measures when giving first aid**

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First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

**4.3. Indication of any immediate medical attention and special treatment needed****Hints for the physician / hazards**

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

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Recommended: alcohol resistant foam, CO<sub>2</sub>, powders, water spray/mist, Extinguishing measures to suit surroundings

**Non suitable extinguishing media**

Full water jet

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

In case of combustion evolution of dangerous gases possible.

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

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

**Other information**

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

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

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

**6.2. Environmental precautions**

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

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

Pick up rest with suitable absorbent materials. Do not pick up with the help of saw-dust or other combustible substances. Clean contaminated floors and objects thoroughly, observing environmental regulations. Containers in which spilt substance has been collected must be adequately labelled. Dispose of as prescribed.

**6.4. Reference to other sections**

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Refer to protective measures listed in Sections 7 and 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid formation of aerosols. Avoid impact, friction and electro-static loading; risk of ignition! Keep container tightly closed.

#### Advice on protection against fire and explosion

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

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

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

#### Hints on storage assembly

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

#### Further information on storage conditions

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

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Other information

Contains no substances with occupational exposure limit values.

#### Derived No/Minimal Effect Levels (DNEL/DMEL)

##### Propylidynetrimethanol, ethoxylated, esters with acrylic acid

|                      |                                |                   |
|----------------------|--------------------------------|-------------------|
| 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        | 37                             | mg/m <sup>3</sup> |

|                      |                                |         |
|----------------------|--------------------------------|---------|
| Type of value        | Derived No Effect Level (DNEL) |         |
| Reference group      | Worker                         |         |
| Duration of exposure | Long term                      |         |
| Route of exposure    | dermal                         |         |
| Mode of action       | Systemic effects               |         |
| Concentration        | 10,5                           | mg/kg/d |

##### (2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyl)tri-2,1-ethanediyl triacrylate

|                      |                                |  |
|----------------------|--------------------------------|--|
| Type of value        | Derived No Effect Level (DNEL) |  |
| Reference group      | Worker                         |  |
| Duration of exposure | Long term                      |  |



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|                      |                                |                   |
|----------------------|--------------------------------|-------------------|
| Route of exposure    | inhalative                     |                   |
| Mode of action       | Systemic effects               |                   |
| Concentration        | 1,65                           | mg/m <sup>3</sup> |
| Type of value        | Derived No Effect Level (DNEL) |                   |
| Reference group      | Worker                         |                   |
| Duration of exposure | Long term                      |                   |
| Route of exposure    | dermal                         |                   |
| Mode of action       | Systemic effects               |                   |
| Concentration        | 2,3                            | mg/kg/d           |
| Type of value        | Derived No Effect Level (DNEL) |                   |
| Reference group      | Consumer                       |                   |
| Duration of exposure | Long term                      |                   |
| Route of exposure    | inhalative                     |                   |
| Mode of action       | Systemic effects               |                   |
| Concentration        | 0,29                           | 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        | 0,83                           | mg/kg/d           |
| Type of value        | Derived No Effect Level (DNEL) |                   |
| Reference group      | Consumer                       |                   |
| Duration of exposure | Long term                      |                   |
| Route of exposure    | oral                           |                   |
| Mode of action       | Systemic effects               |                   |
| Concentration        | 0,083                          | mg/kg/d           |

**Predicted No Effect Concentration (PNEC)****Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

|               |                              |       |
|---------------|------------------------------|-------|
| Type of value | PNEC                         |       |
| Type          | Freshwater                   |       |
| Concentration | 0,002                        | mg/l  |
| Type of value | PNEC                         |       |
| Type          | Sewage treatment plant (STP) |       |
| Concentration | 10                           | mg/l  |
| Type          | Freshwater sediment          |       |
| Concentration | 0,038                        | mg/kg |
| Type of value | PNEC                         |       |
| Type          | Marine sediment              |       |
| Concentration | 0,004                        | mg/kg |
| Type of value | PNEC                         |       |
| Type          | Soil                         |       |
| Concentration | 0,006                        | mg/kg |

**(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyl)tri-2,1-ethanediyl triacrylate**

|               |            |
|---------------|------------|
| Type of value | PNEC       |
| Type          | Freshwater |

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|               |                              |       |
|---------------|------------------------------|-------|
| Concentration | 9,43                         | µg/l  |
| Type of value | PNEC                         |       |
| Type          | Saltwater                    |       |
| Concentration | 0,943                        | µg/l  |
| Type of value | PNEC                         |       |
| Type          | Sewage treatment plant (STP) |       |
| Concentration | 10                           | mg/l  |
| Type of value | PNEC                         |       |
| Type          | Freshwater sediment          |       |
| Concentration | 0,62                         | mg/kg |
| Type of value | PNEC                         |       |
| Type          | Marine sediment              |       |
| Concentration | 0,062                        | mg/kg |

## 8.2. Exposure controls

### General protective and hygiene measures

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

### Respiratory protection

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

### Hand protection

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

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

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

Hand protection must comply with EN 374.

Appropriate Material nitrile

### Eye protection

Safety glasses

### Body protection

Clothing as usual in the chemical industry.

## SECTION 9: Physical and chemical properties

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

|                |                |
|----------------|----------------|
| Physical state | liquid         |
| Colour         | beige          |
| Odour          | characteristic |
| Melting point  |                |
| Remarks        | not determined |
| Freezing point |                |
| Remarks        | not determined |

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

Value &gt; 100 °C

**Flammability**

evaluation not determined

**Upper and lower explosive limits**

Remarks not determined

**Flash point**

Value &gt; 100 °C

Method closed cup

**Auto-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 1,06 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**



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**10.1. Reactivity**

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

**10.2. Chemical stability**

No hazardous reactions known.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

Protect from heat and direct sunlight

**10.5. Incompatible materials**

None known

**10.6. Hazardous decomposition products**

Irritant gases/vapours

## SECTION 11: Toxicological information

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

|     |          |       |
|-----|----------|-------|
| ATE | 1.002,65 | mg/kg |
|     | 22       |       |

Method calculated value according to GHS (e.g see UN GHS)

**Acute oral toxicity (Components)****Fatty acids, C18-unsatd., dimers, polymers with acrylic acid and 1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione**

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

**Acrylic oligomer**

|         |     |       |
|---------|-----|-------|
| Species | rat |       |
| LD50    | 550 | mg/kg |

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

|         |          |       |
|---------|----------|-------|
| Species | rat      |       |
| LD50    | > 2000   | mg/kg |
| Method  | OECD 401 |       |

**(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyl)tri-2,1-ethanediyl triacrylate**

|         |          |       |
|---------|----------|-------|
| Species | rat      |       |
| LD50    | > 2000   | mg/kg |
| Method  | OECD 423 |       |

**Acute dermal toxicity**

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

**Acute dermal toxicity (Components)****Fatty acids, C18-unsatd., dimers, polymers with acrylic acid and 1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione**

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

**Acrylic oligomer**

|         |        |       |
|---------|--------|-------|
| Species | rabbit |       |
| LD50    | > 2000 | mg/kg |

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

Species rabbit

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LD50 &gt; 13200 mg/kg

**Acute inhalational toxicity**

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

**Skin corrosion/irritation**

evaluation irritant

Remarks The classification criteria are met.

**Skin corrosion/irritation (Components)****Fatty acids, C18-unsatd., dimers, polymers with acrylic acid and 1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione**

evaluation slight irritant effect - does not require labelling

**Acrylic oligomer**

evaluation irritant

**Serious eye damage/irritation**

evaluation irritant

Remarks The classification criteria are met.

**Serious eye damage/irritation (Components)****Acrylic oligomer**

evaluation irritant

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

Species rabbit

evaluation irritant

Method OECD 405

**(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triy)tri-2,1-ethanediyl triacrylate**

Species rabbit

evaluation corrosive

Method EEC 84/449, B.5

**Sensitization**

evaluation May cause sensitization by skin contact.

Remarks The classification criteria are met.

**Sensitization (Components)****Fatty acids, C18-unsatd., dimers, polymers with acrylic acid and 1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione**

evaluation sensitizing

**Acrylic oligomer**

evaluation Allergic reaction possible.

**Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

Route of exposure dermal

Species guinea pig

evaluation sensitizing

Method OECD 406

**(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triy)tri-2,1-ethanediyl triacrylate**

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.

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**Reproductive toxicity**

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

**Carcinogenicity**

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

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

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

**Repeated exposure**

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

**Aspiration hazard**

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

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

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

**Experience in practice**

Inhalation may lead to irritation of the respiratory tract.

**Other information**

No toxicological data are available.

## SECTION 12: Ecological information

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

not determined

**Fish toxicity (Components)****Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

|                      |           |   |      |
|----------------------|-----------|---|------|
| Species              | Zebrafish |   |      |
| LC50                 | 1,95      |   | mg/l |
| Duration of exposure | 96        | h |      |
| Method               | OECD 203  |   |      |

**(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyl)tri-2,1-ethanediyl triacrylate**

|                      |                                |   |      |
|----------------------|--------------------------------|---|------|
| Species              | zebra fish (Brachydanio rerio) |   |      |
| LC50                 | 9,43                           |   | mg/l |
| Duration of exposure | 96                             | h |      |
| Method               | OECD 203                       |   |      |

**Daphnia toxicity (Components)****Propylidynetrimethanol, ethoxylated, esters with acrylic acid**

|                      |               |   |      |
|----------------------|---------------|---|------|
| Species              | Daphnia magna |   |      |
| EC50                 | 70,7          |   | mg/l |
| Duration of exposure | 48            | h |      |
| Method               | OECD 202      |   |      |

**(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyl)tri-2,1-ethanediyl triacrylate**

|                      |               |   |      |
|----------------------|---------------|---|------|
| Species              | Daphnia magna |   |      |
| EC50                 | 158,3         |   | mg/l |
| Duration of exposure | 48            | h |      |
| Method               | OECD 202      |   |      |

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**Algae toxicity (Components)****Propylidynetrimehanol, ethoxylated, esters with acrylic acid**

|                      |                         |   |      |
|----------------------|-------------------------|---|------|
| Species              | Scenedesmus subspicatus |   |      |
| EC50                 | 2,2                     |   | mg/l |
| Duration of exposure | 72                      | h |      |
| Method               | OECD 201                |   |      |

**(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyl)tri-2,1-ethanediyl triacrylate**

|                      |                                 |   |      |
|----------------------|---------------------------------|---|------|
| Species              | Pseudokirchneriella subcapitata |   |      |
| EC50                 | 25,7                            |   | mg/l |
| Duration of exposure | 72                              | h |      |
| Method               | OECD 201                        |   |      |

**Bacteria toxicity (Components)****Propylidynetrimehanol, ethoxylated, esters with acrylic acid**

|                      |                  |   |      |
|----------------------|------------------|---|------|
| Species              | activated sludge |   |      |
| EC20                 | 292              |   | mg/l |
| Duration of exposure | 3                | h |      |
| Method               | OECD 209         |   |      |

**(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyl)tri-2,1-ethanediyl triacrylate**

|                      |                  |   |  |
|----------------------|------------------|---|--|
| Species              | activated sludge |   |  |
| NOEC                 | >= 100           |   |  |
| Duration of exposure | 14               | d |  |
| Method               | OECD 301 F       |   |  |

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

not determined

**Biodegradability (Components)****Propylidynetrimehanol, ethoxylated, esters with acrylic acid**

|                  |                                                    |    |    |   |
|------------------|----------------------------------------------------|----|----|---|
| Value            | 58                                                 | to | 61 | % |
| Duration of test | 28                                                 | d  |    |   |
| evaluation       | Readily biodegradable (according to OECD criteria) |    |    |   |

**(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyl)tri-2,1-ethanediyl triacrylate**

|                  |                        |   |   |
|------------------|------------------------|---|---|
| Value            | 14,5                   |   | % |
| Duration of test | 28                     | d |   |
| evaluation       | not readily degradable |   |   |
| Method           | OECD 301 F             |   |   |

**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)****Propylidynetrimehanol, ethoxylated, esters with acrylic acid**

|             |          |    |
|-------------|----------|----|
| log Pow     | 2,89     |    |
| Temperature | 23       | °C |
| Method      | OECD 107 |    |

**(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyl)tri-2,1-ethanediyl triacrylate**

|             |            |    |
|-------------|------------|----|
| log Pow     | appr. 2,61 |    |
| Temperature | 25         | °C |
| Method      | OECD 117   |    |

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## 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 as product waste.

## SECTION 14: Transport information

Trade name: FotoDent biobased model

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|                                  | Land transport ADR/RID                                                   | Marine transport IMDG/GGVSee                                            | Air transport ICAO/IATA                                                 |
|----------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|
| 14.1. UN number or ID number     | The product does not constitute a hazardous substance in land transport. | The product does not constitute a hazardous substance in sea transport. | The product does not constitute a hazardous substance in air transport. |
| 14.2. UN proper shipping name    | -                                                                        | -                                                                       | -                                                                       |
| 14.3. Transport hazard class(es) | -                                                                        | -                                                                       | -                                                                       |
| Label                            |                                                                          |                                                                         |                                                                         |
| 14.4. Packing group              |                                                                          | -                                                                       | -                                                                       |

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Restriction according to annex XVII to regulation (EU) No 1907/2006

The product is subject to restrictions according to Annex XVII Regulation (EU) No. 1907/2006: Entry No. 3

#### Other information

All components are contained in the TSCA inventory or exempted.

### 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)

|               |      |                    |
|---------------|------|--------------------|
| Acute Tox. 4  | H302 | Calculation method |
| Skin Irrit. 2 | H315 | Calculation method |
| Eye Irrit. 2  | H319 | Calculation method |
| Skin Sens. 1  | H317 | Calculation method |

### Hazard statements listed in Chapter 2/3

|      |                                                    |
|------|----------------------------------------------------|
| H302 | Harmful if swallowed.                              |
| H315 | Causes skin irritation.                            |
| H317 | May cause an allergic skin reaction.               |
| H318 | Causes serious eye damage.                         |
| H319 | Causes serious eye irritation.                     |
| H411 | Toxic to aquatic life with long lasting effects.   |
| H412 | Harmful to aquatic life with long lasting effects. |

### CLP categories listed in Chapter 2/3

|              |                            |
|--------------|----------------------------|
| Acute Tox. 4 | Acute toxicity, Category 4 |
|--------------|----------------------------|

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Aquatic Chronic 2

Hazardous to the aquatic environment, chronic, Category 2

Aquatic Chronic 3

Hazardous to the aquatic environment, chronic, Category 3

Eye Dam. 1

Serious eye damage, Category 1

Eye Irrit. 2

Eye irritation, Category 2

Skin Irrit. 2

Skin irritation, Category 2

Skin Sens. 1

Skin sensitization, Category 1

Skin Sens. 1B

Skin sensitization, Category 1B

**Supplemental information**

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

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.