

Trade name: Dynax clear Comp. A

Substance number: 38001

Version: 2 / GB

Date revised: 16.09.2025

Replaces Version: 1 / GB

Print date: 16.09.2025

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

### 1.1. Product identifier

Dynax clear Comp. A

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

Dental impression material on the base of vinylpolysiloxane

### 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](mailto: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 \*\*\*

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### 3.2. Mixtures

#### Chemical characterization

Addition-vulcanising 2-component silicone

#### Hazardous ingredients \*\*\*

##### Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

CAS No. 68909-20-6

EINECS no. 272-697-1

Registration no. 01-2119379499-16

Concentration  $\geq 25$  < 50 %Classification (Regulation (EC) No. 1272/2008)  
STOT RE 2 H373

Name of set of nanoform Nanoagglomerate

Particle size distribution d50 60-300 nm

Method Transmission Electron Microscopy (TEM)

Shape and aspect ratio of particles amorphous

Particle size distribution Nano particles

d50 6-50 nm

Method Transmission Electron Microscopy (TEM)

Shape and aspect ratio of particles amorphous

40 to 350 m<sup>2</sup>/g

## 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 chemical pneumonia or asphyxiation.

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## 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.

#### Hints on storage assembly

Do not store together with foodstuffs.

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**Further information on storage conditions**

Keep container tightly closed and dry.

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

Contains no substances with occupational exposure limit values.

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

Observe the usual precautions for handling chemicals. 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, viscous
<b>Colour</b>	colourless, clear
<b>Odour</b>	characteristic

**Melting point**

Remarks	not determined
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**Freezing point**

Remarks	not determined
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**Boiling point or initial boiling point and boiling range**

Value	> 300	°C
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**Flammability**

evaluation	not determined
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**Upper and lower explosive limits**

Remarks	not determined
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**Flash point**

Value	> 131	°C
Method	closed cup	

**Auto-ignition temperature**

Remarks	not determined
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**Decomposition temperature**

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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	1,1		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**

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No hazardous decomposition products 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)

##### Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

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)

##### Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

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

#### Acute inhalational toxicity

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

#### Acute inhalative toxicity (Components)

##### Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Species rat  
 LC50 > 5,01 mg/l  
 Duration of exposure 4 h  
 Administration/Form Dust/Mist  
 Remarks Test conducted with a similar formulation.

#### 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

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.

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**Repeated exposure**

Remarks

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

**Specific Target Organ Toxicity (STOT) (Components)****Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)****Repeated exposure**

evaluation

May cause damage to organs through prolonged or repeated exposure

Route of exposure inhalative

Organs: Lungs

**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)****Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)**Species zebra fish (*Brachydanio rerio*)

LC50 &gt; 10000 mg/l

Duration of exposure 96 h

Source Analogous

**Daphnia toxicity (Components)****Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)**Species *Daphnia magna*

EC50 &gt; 1000 mg/l

Duration of exposure 48 h

Source Analogous

**Algae toxicity (Components)****Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)**Species *Desmodesmus subspicatus*

EC50 &gt; 173 mg/l

Duration of exposure 72 h

Source Analogous

**Bacteria toxicity (Components)****Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)**

Species activated sludge

EC50 &gt; 2500 mg/l

Duration of exposure 3 h

Method OECD 209

Source Analogous

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## 12.2. Persistence and degradability

### General information

not determined

### Biodegradability (Components)

#### Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)

Remarks

Inorganic product, cannot be eliminated from the water by biological purification processes.

## 12.3. Bioaccumulative potential

### General information

not determined

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

Remarks

not determined

## 12.4. Mobility in soil

### General information

not determined

## 12.5. Results of PBT and vPvB assessment

### General information

not determined

### Results of PBT and vPvB assessment

The product contains no PBT substances

The product contains no vPvB substances.

## 12.6 Endocrine disrupting properties

### Endocrine disrupting properties with respect to the environment

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

## 12.7. Other adverse effects

### General information

not determined

### General information / ecology

Do not 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.



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**SECTION 14: Transport information \*\*\***

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

H373 May cause damage to organs through prolonged or repeated exposure.

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

STOT RE 2 Specific target organ toxicity - repeated exposure, Category 2

**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.