



Trade name: Dynax mono Comp. B

Substance number: 44862

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 mono Comp. B

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 & 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 \*\*\*

Trade name: Dynax mono Comp. B

Substance number: 44862

Version: 2 / GB

Date revised: 16.09.2025

Replaces Version: 1 / GB

Print date: 16.09.2025

### 3.2. Mixtures

#### Chemical characterization

Hydrophilic, addition-vulcanising 2-component silicone

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

##### 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 |   |

##### Siloxanes and Silicones, dimethyl, 3-hydroxypropyl methyl, ethoxylated propoxylated

|  |            |   |      |   |
|--|------------|---|------|---|
| CAS No.  | 68937-55-3 |   |      |   |
| EINECS no.                                     | 614-823-3  |   |      |   |
| Concentration                                  | >= 1       | < | 10   | % |
| Classification (Regulation (EC) No. 1272/2008) |            |   |      |   |
| Skin Irrit. 2                                  |            |   | H315 |   |
| Eye Irrit. 2                                   |            |   | H319 |   |
| STOT SE 3                                      |            |   | H335 |   |

##### Cristobalite

|  |            |   |      |   |
|--|------------|---|------|---|
| CAS No.  | 14464-46-1 |   |      |   |
| EINECS no.                                     | 238-455-4  |   |      |   |
| Concentration                                  | <= 10      | > | 25   | % |
| Classification (Regulation (EC) No. 1272/2008) |            |   |      |   |
| STOT RE 1                                      |            |   | H372 |   |

#### Further ingredients

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

|  |                  |   |      |   |
|--|------------------|---|------|---|
| CAS No.  | 68909-20-6       |   |      |   |
| EINECS no.                                     | 272-697-1        |   |      |   |
| Registration no.                               | 01-2119379499-16 |   |      |   |
| Concentration                                  | >= 10            | < | 25   | % |
| Advice: [7]                                    |                  |   |      |   |
| Classification (Regulation (EC) No. 1272/2008) |                  |   |      |   |
| STOT RE 2                                      |                  |   | H373 |   |

|                                     |                   |  |  |
|-------------------------------------|-------------------|--|--|
| Name of set of nanoform             | Nanoagglomerate   |  |  |
| Particle size distribution          | d50 60-300        | nm                                     |  |
| Shape and aspect ratio of particles | Method            | Transmission Electron Microscopy (TEM) |  |
|                                     | amorphous         |  |  |
| Particle size distribution          | Nano particles    |  |  |
|                                     | d50 6-50          | nm                                     |  |
| Shape and aspect ratio of particles | Method            | Transmission Electron Microscopy (TEM) |  |
|                                     | amorphous         |  |  |
| 40 to 350                           | m <sup>2</sup> /g |  |  |

#### Note

[7] Nanoforms

Trade name: Dynax mono Comp. B

Substance number: 44862

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 16.09.2025

Print date: 16.09.2025

## 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.

## 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

Trade name: Dynax mono Comp. B

Substance number: 44862

Version: 2 / GB

Date revised: 16.09.2025

Replaces Version: 1 / GB

Print date: 16.09.2025

**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.

**Further information on storage conditions**

Keep container tightly closed and dry.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limit values****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.

**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.

Trade name: Dynax mono Comp. B

Substance number: 44862

Version: 2 / GB

Date revised: 16.09.2025

Replaces Version: 1 / GB

Print date: 16.09.2025

**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****Physical state** liquid, viscous**Colour** violet**Odour** characteristic**Melting point**

Remarks not determined

**Freezing point**

Remarks not determined

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

Value &gt; 300 °C

**Flammability**

evaluation not determined

**Upper and lower explosive limits**

Remarks not determined

**Flash point**

Value &gt; 160 °C

Method closed cup

**Auto-ignition temperature**

Value 435 °C

**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**

Value 6 hPa

Temperature 20 °C

**Density and/or relative density**Value 1,23 g/cm<sup>3</sup>

Temperature 20 °C

Trade name: Dynax mono Comp. B

Substance number: 44862

Version: 2 / GB

Date revised: 16.09.2025

Replaces Version: 1 / GB

Print date: 16.09.2025

**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 no

**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.

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

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

Trade name: Dynax mono Comp. B

Substance number: 44862

Version: 2 / GB

Date revised: 16.09.2025

Replaces Version: 1 / GB

Print date: 16.09.2025

**Acute dermal toxicity**

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

**Acute dermal toxicity (Components)****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)****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**

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

Harmful: may cause lung damage if swallowed.

**11.2. Information on other hazards**

Trade name: Dynax mono Comp. B

Substance number: 44862

Version: 2 / GB

Date revised: 16.09.2025

Replaces Version: 1 / GB

Print date: 16.09.2025

**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)****Siloxanes and Silicones, dimethyl, 3-hydroxypropyl methyl, ethoxylated propoxylated**

|         |   |     |      |
|---------|---|-----|------|
| Species | zebra fish ( <i>Brachydanio rerio</i> ) |     |      |
| LC50    | >                                       | 500 | mg/l |

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

|                      |  |      |      |
|----------------------|--|------|------|
| Species              | rainbow trout ( <i>Oncorhynchus mykiss</i> )                         |      |      |
| NOELR                | >  | 1000 | mg/l |
| Duration of exposure | 28   | d    |      |
| Remarks              | The details of the toxic effect relate to the nominal concentration. |      |      |

**Daphnia toxicity (Components)****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)****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)**



Trade name: Dynax mono Comp. B

Substance number: 44862

Version: 2 / GB

Date revised: 16.09.2025

Replaces Version: 1 / GB

Print date: 16.09.2025

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

Value 74 %

Duration of test 28 d

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)****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: Dynax mono Comp. B

Substance number: 44862

Version: 2 / GB

Date revised: 16.09.2025

Replaces Version: 1 / GB

Print date: 16.09.2025

**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****15.1. 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**

|      |   |
|------|---|
| H304 | May be fatal if swallowed and enters airways.                   |
| H315 | Causes skin irritation.   |
| H319 | Causes serious eye irritation.                                  |
| H335 | May cause respiratory irritation.                               |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

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

|               |  |
|---------------|--|
| Asp. Tox. 1   | Aspiration hazard, Category 1                                  |
| Eye Irrit. 2  | Eye irritation, Category 2                                     |
| Skin Irrit. 2 | Skin irritation, Category 2                                    |
| STOT RE 1     | Specific target organ toxicity - repeated exposure, 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: Dynax mono Comp. B

Substance number: 44862

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 16.09.2025

Print date: 16.09.2025