



Trade name: Dynax light Comp. B

Substance number: F44842

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 light 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

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

Hydrophilic, addition-vulcanising 2-component silicone

Hazardous ingredients

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

CAS No. 68937-55-3

EINECS no. 614-823-3

Concentration ≥ 1 < 9 %

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

Skin Irrit. 2 H315

Eye Irrit. 2 H319

STOT SE 3 H335

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

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 ≥ 1 < 10 %

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

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 m²/g

Note

[7] Nanoforms

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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, CO₂, 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

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6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Pick up 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 ³
Short term exposure limit	600	mg/m ³

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.



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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, slightly viscous**Colour** green**Odour** characteristic**Melting point**

Remarks not determined

Freezing point

Remarks not determined

Boiling point or initial boiling point and boiling range

Value > 300 °C

Flammability

evaluation not determined

Upper and lower explosive limits

Remarks not determined

Flash point

Value > 130 °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 100 hPa

Temperature 20 °C

Density and/or relative densityValue 1,26 g/cm³

Temperature 20 °C

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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.	

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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/m³
 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

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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)

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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.



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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**

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.



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