



Printing date 05/18/2022


Reviewed on 05/18/2022

1 Identification

- **Product identifier**
- **Trade name: Dublisil 30**
- **Application of the substance / the mixture**
Addition-vulcanising duplication silicone for the dental duplication technique.
- **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
- **Information department:**
Department Research & Development
Fax.: +49 2303 8807-562
Email: sicherheitsdatenblatt@dreve.de
- **Emergency telephone number:**
Tel.: +49 211 797-3350
Plant Fire Department Henkel

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**
 Health = 0
Fire = 1
Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**

| | |
|------------|---|
| HEALTH | 0 |
| FIRE | 1 |
| REACTIVITY | 0 |

Health = 0
Fire = 1
Reactivity = 0
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Addition-vulcanizing 2-component silicone
- **Dangerous components:**

| | | |
|------------|--------------|--------|
| 14464-46-1 | cristobalite | 25-50% |
|------------|--------------|--------|

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93685-79-1 Isoparaffin-mixture C12, C16 and C20

10-25%

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

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **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.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Avoid contact with eyes
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

| | | |
|------------|---------------------------|-------------------------|
| 14464-46-1 | crystalite | 0.075 mg/m ³ |
| | Vinylpolydimethylsiloxane | 48 mg/m ³ |
| | Polydimethylsiloxan | 65 mg/m ³ |

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| | | |
|-----------------|---------------------------|-------------------------|
| | Methylhydrogenpolysiloxan | 30 mg/m ³ |
| · PAC-2: | | |
| 14464-46-1 | crystalalite | 33 mg/m ³ |
| | Vinylpolydimethylsiloxane | 530 mg/m ³ |
| | Polydimethylsiloxan | 720 mg/m ³ |
| | Methylhydrogenpolysiloxan | 330 mg/m ³ |
| · PAC-3: | | |
| 14464-46-1 | crystalalite | 200 mg/m ³ |
| | Vinylpolydimethylsiloxane | 3,200 mg/m ³ |
| | Polydimethylsiloxan | 4,300 mg/m ³ |
| | Methylhydrogenpolysiloxan | 2,000 mg/m ³ |

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Avoid contact with eyes
When using do not eat, drink or smoke.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Keep receptacle tightly sealed.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

14464-46-1 cristobalite

| | |
|-----|---|
| PEL | Long-term value: 0.05* mg/m ³ *resp. dust; ½ value from resp.dust formulae Quartz |
| REL | Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A |
| TLV | Long-term value: 0.025* mg/m ³ *as respirable fraction |

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves** Not applicable
- **Penetration time of glove material** Not applicable

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- **Eye protection:** Goggles recommended during refilling.
- **Body protection:** Protective work clothing

9 Physical and chemical properties

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

- **General Information**

- **Appearance:**

| | |
|-------------------|-----------------|
| Form: | Fluid |
| Color: | Purple |
| · Odor: | Characteristic |
| · Odor threshold: | Not determined. |

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

- **Change in condition**

| | |
|------------------------------|-------------------|
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | >300 °C (>572 °F) |

- **Flash point:** 130 °C (266 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** 375 °C (707 °F)

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

| | |
|--------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |

- **Oxidizing properties** Not determined
Not applicable.

- **Vapor pressure at 20 °C (68 °F):** <100 hPa (<75 mm Hg)

- **Density at 20 °C (68 °F):** 1.16 g/cm³ (9.6802 lbs/gal)

- **Relative density** Not determined.

- **Vapor 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.

- **Viscosity:**

| | |
|------------|-----------------|
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |

- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** No dangerous reactions if used according to specifications
- **Chemical stability** Stable if used according to specifications

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- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

| | | |
|--|------|--------------------|
| 93685-79-1 Isoparaffin-mixture C12, C16 and C20 | | |
| Oral | LD50 | >5,000 mg/kg (rat) |

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

| | | |
|------------|---------------------------|---|
| 14464-46-1 | crystalite | 1 |
| 1318-02-1 | sodium aluminium silicate | 3 |

- **NTP (National Toxicology Program)**

| | | |
|------------|------------|---|
| 14464-46-1 | crystalite | K |
|------------|------------|---|

- **OSHA-Ca (Occupational Safety & Health Administration)**

| | | |
|------------------------------------|--|--|
| None of the ingredients is listed. | | |
|------------------------------------|--|--|

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **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.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Disposal must be made according to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|---|-----------------|
| <ul style="list-style-type: none"> · UN-Number · DOT, ADR, ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT, ADR, ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT, ADR, ADN, IMDG, IATA · Class | Void |
| <ul style="list-style-type: none"> · Packing group · DOT, ADR, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: | No |
| <ul style="list-style-type: none"> · Special precautions for user | Not applicable. |
| <ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| <ul style="list-style-type: none"> · UN "Model Regulation": | Void |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

| | |
|--|--|
| <ul style="list-style-type: none"> · Section 355 (extremely hazardous substances): | |
|--|--|

None of the ingredient is listed.

| | |
|--|--|
| <ul style="list-style-type: none"> · Section 313 (Specific toxic chemical listings): | |
|--|--|

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):** All ingredients are listed.

| | |
|---|--|
| <ul style="list-style-type: none"> · Hazardous Air Pollutants | |
|---|--|

None of the ingredients is listed.

| | |
|---|--|
| <ul style="list-style-type: none"> · Proposition 65 | |
|---|--|

| | |
|---|--|
| <ul style="list-style-type: none"> · Chemicals known to cause cancer: | |
|---|--|

14464-46-1 | cristobalite

| | |
|--|--|
| <ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for females: | |
|--|--|

None of the ingredients is listed.

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| |
|--|
| <ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for males: |
| None of the ingredients is listed. |

| |
|---|
| <ul style="list-style-type: none"> · Chemicals known to cause developmental toxicity: |
| None of the ingredients is listed. |

- **Cancerogenity categories**

| |
|--|
| <ul style="list-style-type: none"> · EPA (Environmental Protection Agency) |
| None of the ingredients is listed. |

| |
|---|
| <ul style="list-style-type: none"> · TLV (Threshold Limit Value established by ACGIH) |
| 14464-46-1 cristobalite |
| A2 |

| |
|---|
| <ul style="list-style-type: none"> · MAK (German Maximum Workplace Concentration) |
| 14464-46-1 cristobalite |
| 1 |

| |
|---|
| <ul style="list-style-type: none"> · NIOSH-Ca (National Institute for Occupational Safety and Health) |
| 14464-46-1 cristobalite |

- **GHS label elements** Void

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements** Void

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

- **Department issuing SDS:** Department Research & Development

- **Contact:** Dr. Thomas Veit, Lothar Sutor

- **Date of preparation / last revision** 05/18/2022 / 2

- **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)

ICAO: International Civil Aviation Organisation

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

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

- *** Data compared to the previous version altered.**