

EU – Safety Data Sheet

In accordance with regulation (EC) no. 1907/2006

(amended by regulation (EU) no. 453/2010)

Date of issue: 23.04.2015

Date of revision: 29.12.2020

Valid from: 29.12.2020

Version: 4



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Printing date: 20.01.2021

Replaces Version: 3

Dental waxes

1. Identification of the substance / Preparation and Company:

- 1.1 Product identifier
Tradename: Wax profiles, Wax wire, Perawax, Perawax NEM, TEK-1 WAX, Deiberit, MarmoScan-Wax
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant identified uses: to be used in dental labs exclusively
Uses advised against: should not be used by untrained personnel
- 1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier: SILADENT Dr. Böhme & Schöps GmbH
Street / mailbox: Im Klei 26
Country code. / postal code / city: DE - 38644 Goslar
Phone: +49 (0) 53 21 / 37 79 - 0
Fax: +49 (0) 53 21 / 38 96 32
E-mail / Website: info@siladent.de / www.siladent.de
Further information obtainable from: SILADENT Dr. Böhme & Schöps GmbH
- 1.4 Emergency telephone number
SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

2. Hazards identification:

- 2.1 Classification of the substance or mixture:
Classification according to regulation (EC) no. 1272/2008 (CLP): This substance does not meet the criteria for classification according to regulation (EC) no.1272/2008 (CLP).
- 2.2 Label Elements
Labelling according to regulation (EC) no. 1272/2008 (CLP/GHS)
Hazard pictograms: NONE.
Signal word: NONE.
Hazardous component(s) for labelling:
Hazard statements: NONE.
Precautionary statements:
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P262: Do not get in eyes, on skin, or on clothing.
P370+: In case of fire:
P378: Use foam, carbon dioxide, dry powder to extinguish.
Supplemental Hazard information (EU): NONE.
- 2.3 Other Hazards:
Results of PBT and vPvP assessment:
PBT not applicable
vPvP not applicable

3. Composition/information on ingredients:

- 3.1 Substances
Principal component of the substance:
Substance name: paraffin
Index-no.: void
EG-no.: 232-315-6
CAS-no.: 8002-74-2
Impurities, stabilizers: None.
Substance name:
Index-no.:
EG-no.:
CAS-no.:
- 3.2 Mixtures
Description of the mixture: None.

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7. Handling and storage:

- 7.1 Precautions for safe handling
- Fire preventions: No special precautions necessary. Regular preventive fire protection.
- Aerosol and dust generation preventions: Avoid generation of dust – work under fume hood.
- Environmental precautions: No special precautions necessary.
- Advice on general occupational hygiene: Observe general hygiene rules.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage conditions: Keep containers tightly closed and store cool, dry and well ventilated. Keep away from sunrays. Best at 5 – 30 °C. Store in original bundles. Room temperature see above.
- Requirements for storage rooms and vessels:
- Storage class: 11 (TRGS 510) Materials to avoid: n.a.
- 7.3 Specific end uses
- Sector specific guidelines: dental laboratories

8. Exposure controls / personal protection:

- 8.1 Control parameters
- Occupational exposure limits
- Substance: paraffin: CAS-no. : 8002-74-2
- Specification: Does not contain any substances - according to the common EU lists – that have to be monitored at work places.
- Limit value type (country of origin): n.a.
- Peak limitation: n.a.
- Toxic to reproduction: n.a.
- Source (TRGS): n.a.
- 8.1.2 DNEL- and PNEC- values: None.
- Substance: CAS-Nr. :
- Specification:
- Value:
- 8.1.3 Control-Banding (e.g. ILO, EMKG): None.
- 8.2 Exposure controls:
- The type and extent of usage determine the choice of protective measures.
- Appropriate engineering controls: Provide good ventilation.
- Personal protective equipment:
- Eye / face protection: Safety glasses – not necessary if used according to the intended purpose.
- Skin protection
- Hand protection
- in full contact: use appropriate safety gloves
- material: polychloroprene - CR (0,5 mm), nitrile rubber - NBR (0,35 mm)
- layer thickness (mm): see above
- penetration time (min.): 8 hours
- Splash contact: use appropriate safety gloves
- material: polychloroprene - CR (0,5 mm), nitrile rubber - NBR (0,35 mm)
- layer thickness (mm): see above
- penetration time (min.): 8 hours
- Body protection: Appropriate.
- Respiratory protection: Not required under normal use.
- Thermal hazards: Not required under normal use.
- Environmental exposure controls: Do not allow to get into sewer system, surface or ground water.

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9. Physical and chemical properties:

9.1 Information on basic physical and chemical properties:

Physical state:

Aggregate state:

colour :

Odour :

Odour threshold :

pH-value:

Freezing point :

Initial boiling point/boiling range :

Flash point:

Evaporation rate :

Flammability:

Upper/lower explosive limits

Vapour pressure :

Vapour density:

Relative density:

Solubility:

Partition coefficient:

n-octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

explosive properties:

Oxidising properties:

9.2 Other information

Physical Explosives hazards:

Solid, waxes in different shapes and colours

various

Characteristic, different according to type

No information available

n.a.

< 50°C

n.a.

> 130°C

n.a.

The substance is flammable, but does not intensify fires.

none

n.a.

n.a.

ca. 0,93 g/cm³

Not soluble in water

n.a.

n.a.

n.a.

n.a.

n.a.

none

none

No further information available

10. Stability and reactivity:

10.1 Reactivity:

10.2 Chemical stability:

10.3 Possibility of hazardous reactions:

10.4 Conditions to avoid:

10.5 Incompatible materials:

10.6 Hazardous decomposition products:

No known unusual reactivity.

Stable under regular conditions.

No known hazardous reactions.

Not designated.

Not designated.

Carbon monoxide, carbon dioxide.

11. Toxicological information:

11.1 Information on toxicological effects

When used appropriately no dangers to health are currently known

Acute toxicity:

Skin irritation:

Eye irritation:

Sensitisation to the respiratory tract / skin:

Germ cell mutagenicity:

Carcinogenicity:

No information available on systemic effects.

Danger of burns when handling hot and liquid waxes.

May harm when working with hot and liquid waxes.

Vapours have a very weak irritant effect.

No information available

An extensive programme already realized in 1958 for clarifying the absence of carcinogenic properties in pure waxes was followed by the admission as food ingredient.

Reproductive toxicity:

Specific target organ toxicity (single exposure):

Specific target organ toxicity (repeated exposure):

Aspiration hazard:

Symptoms related to the physical, chemical and toxicological characteristics:

In case of ingestion:

No information available

None.

None.

No information available

May have a laxative effect.

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In case of skin contact:

In case of inhalation:

In case of eye contact:

May cause burns when wax hot and liquid.

Seems impossible.

Seek for medical advice when eye contact with hot and liquid wax.

12. Ecological information:

- | | | |
|------|--------------------------------------|--|
| 12.1 | Toxicity: | No information available |
| 12.2 | Persistence and degradability: | No data available. As to consistency and non-solubility, a bioavailability is very unlikely. |
| 12.3 | Bioaccumulative potential: | Not significantly accumulative in living organisms. |
| 12.4 | Mobility in soil: | No data available. |
| 12.5 | Results of PBT- and vPvB assessment: | Not applicable. |
| 12.6 | Other adverse effects: | None. |

13. Disposal considerations:

- | | | |
|------|---|---|
| 13.1 | Waste treatment methods: | Contaminated packaging disposal
Recycle according to official regulations. |
| | Waste codes / waste designations according to EWC / AVV: | No waste codes applicable. |
| | Special precautions: | None. |
| | Other relevant provisions for waste treatment national or EC: | Dispose of waste according to applicable legislation. |

14. Transport information:

- | | | |
|------|--|---|
| 14.1 | UN-no. | Not applicable |
| 14.2 | UN proper shipping name | |
| | ADR/RID: | The product is not defined under ADR/RID regulations. |
| | IMDG-Code / ICAO-TI / IATA-DGR: | The product is not defined under IMDG regulations. |
| 14.3 | Transport hazard class(es) / hazard labels: | Not relevant. |
| 14.4 | Packing group: | Not relevant. |
| 14.5 | Environmental hazards | |
| | Environmentally hazardous substance marking | |
| | ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: | ☐ yes / XXX no |
| | Marine Pollutant: | ☐ yes / XXX no |
| 14.6 | Special precautions for user: | No additional information available. |
| 14.7 | Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | |
| | Pollution category (X, Y or Z): | Not applicable. |
| | Type of ship (1, 2 or 3): | Not applicable. |

15. Regulatory information:

- | | | |
|------|--|--|
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture | |
| | EU-regulations, e.g.: | |
| | Directive /EC) no. 2037/2000 (substances that deplete the ozone layer): | not listed |
| | Directive (EC) no. 850/2004 (persistent organic pollutants): | not listed |
| | Directive (EC) no. 689/2008 (Import and export of dangerous chemicals): | not listed |
| | Directive (EC) no. 648/2004 (Detergents Regulation): | not listed |
| | National regulations, e.g.: | |
| | Water hazard class (VwVwS : | not water pollutant / registration no. 268 |

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Technical instructions on Air Quality Control not applicable

(TA-Luft):

Other relevant regulations:

TRGS 500, 510 (Germany): storage class: 11 (flammable solids)

15.2 Chemical safety assessment:

For this product a chemical safety assessment was not carried out.

16. Other information:

Indication of changes:

Regulation (EC) no. 1272/2008 (CLP, EU_GHS)

Section1: Emergency number, editorial revision

Abbreviations and acronyms:

n.a. Not applicable

Key literature references and sources for data:

Gestis Stoffdatenbank - <http://gestis.itrust.de/>

Authority for chemicals www.baua.de

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:

No classification.

Relevant R-, H- and EUH-phrases (number and full text):

None of the above stated phrases is relevant.

P-phrases stated in section 2.2

Training advice:

Not applicable for qualified dental technicians.

Further information:

None.

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