

Safety Data Sheets

Complies with Regulation (EC) No 1907/2006 (REACH), Annex II, amended according to Regulation (EU) No 2020/878

STOPPi®

Article no.: No. 90500_A

Revised on: 14.05.2024

Version: 5.0 Replaced version: 4.0



| SECTION 1: Identification of the substance or mixture and of the company/undertaking | | |
|--|---|--|
| 1.1 | Product identifier | STOPPi® Article no.: 90500_A |
| 1.2 | Relevant identified uses of the substance or mixture and uses which are not recommended | |
| 1.2.1 | Relevant uses medical device: | Elastosil LR 3003/70A |
| 1.2.2 | Uses that are not recommended: | None known |
| 1.3 | Details of the supplier providing the safety data sheet | Dr. Hinz Dental Vertriebsgesellschaft mbH & Co. KG Friedrich der Große 64 44628 Herne GERMANY Phone: + 49 (0) 23 23 / 59 34 20 Fax : + 49 (0) 23 23 / 59 34 29 E-Mail: qm@dhug.de |
| 1.4 | Emergency number | Contact: Dr. P. Hinz Phone: + 49 17 51 83 41 34 |

| SECTION 2: Possible dangers | | |
|-----------------------------|---|--|
| 2.1 | Classification of the substance or mixture | The product has not been classified as dangerous according to the legislation in force |
| 2.1.1 | Classification according to (EC) Regulation 1272/2008 as amended. | Not classified |
| 2.2 | Labelling elements Additional information: | Not applicable No data available |
| 2.3 | Other dangers | No information is available. Endocrine disrupting properties - human health: The substance/mixture does not contain any components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 at levels of 0.1% or higher. Endocrine disrupting properties - Environment: The substance/mixture does not contain any components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more. Translated with www.DeepL.com/Translator (free version) |

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SECTION 3: Composition / Information on ingredients

| | | |
|-------|----------------------------------|---|
| 3.1 | Chemical characterisation | Polydimethylsiloxane with vinyl groups and auxiliary. |
| 3.1.1 | Dangerous ingredients | The product does not contain any hazardous ingredients above the consideration limit(s). This product does not contain any substances of very high concern (REACH Regulation (EC) No 1907/2006, Article 57) above $\geq 0.1\%$. |

Section 4: First aid measures

| | | |
|-----|---|--|
| 4.1 | Description of the first aid measures | |
| | General notes | No action should be taken that involves personal risk or that has not been adequately trained. |
| | Inhalation: | Remove to fresh air. Seek medical attention if symptoms occur. |
| | Eye contact: | Immediately flush eye with water. Seek medical attention if symptoms occur. |
| | Skin contact: | Wash with soap and water. Seek medical attention if symptoms occur. |
| | Ingestion: | Do NOT induce vomiting if swallowed. Administer a glass of water. Get medical help. |
| 4.2 | Most important symptoms and effects, both acute and delayed: | None known. |
| 4.3 | Indications for immediate medical help or special treatment | |
| | Dangers: | This product is not expected to be harmful under normal use and adequate personal hygiene. |
| | Treatment: | Do NOT induce vomiting if swallowed. Administer a glass of water. |

SECTION 5: Fire-fighting measures

| | | |
|-----|---|---|
| 5.1 | General fire hazards | Fire residues and contaminated extinguishing water must be disposed of in accordance with local official regulations. |
| | Extinguishing agent Suitable extinguishing media | alcohol-resistant foam , carbon dioxide , water mist , sprinkler system , sand , extinguishing powder . |
| | Unsuitable extinguishing media: | Avoid direct water jet; this will disperse and spread the fire |
| 5.2 | Special hazards arising from the substance or mixture: | In case of fire, formation of carbon monoxide and carbon dioxide possible.. |

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| | | |
|-----|---|---|
| 5.3 | Advice for firefighters Advice for firefighters: | Keep away from sources of ignition - Do not smoke . |
| | Special protective equipment for fire fighting: | Wear self-contained breathing apparatus and protective clothing. Do not allow runoff from firefighting materials, even in diluted form, to reach bodies of water, sewers, or drinking water reservoirs. Use ordinary firefighting measures; consider hazards from other materials involved. |

SECTION 6: Accidental release measures

| | | |
|-----|---|---|
| 6.1 | Personal precautions, protective equipment and emergency procedures: | Remove all sources of ignition. Wear personal protective equipment. |
| 6.2 | Environmental protection measures: | Do not allow the runoff to enter the sewer system, waterways or soil |
| 6.3 | Methods and material for retention and cleaning: | Wipe up spilled material and take to a safe place. Caution: Contaminated surfaces may be slippery. |
| 6.4 | Reference to other sections: | Caution: Contaminated surfaces may be slippery. Do not allow runoff to reach drains, sewers or bodies of water. For personal protective equipment see section 8 of SDS. |

Section 7: Handling and storage:

| | | |
|-----|---|---|
| 7.1 | Protective measures for safe handling: | The product may become electrostatically charged during decanting or decanting. Keep away from food, drink and animal feeding stuffs. Use only in well-ventilated areas. Keep container tightly closed. |
| | Notes on fire and explosion protection: | Keep away from sources of ignition - Do not smoke. Store in original container |
| 7.2 | Conditions for safe storage taking into account incompatibilities: | Store the product in the original tightly closed container in a dry and cool place. |
| | Storage stability: | The material is stable under normal conditions. |
| | Storage class: | Flammable liquids that cannot be assigned to any of the above LGKs |
| 7.3 | Specific end uses: | There are no data available. |

SECTION 8: Exposure controls/personal protective equipment

| | | |
|-----|--|---|
| 8.1 | Parameters to be monitored Occupational exposure limit values | Occupational exposure limits do not apply to any of the ingredients |
| | Biological limit values | None(s). |

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| | | |
|-----|--|--|
| 8.2 | Exposure controls Suitable engineering controls: | Eye showers and emergency showers must be available in the workplace. Provide adequate general and local exhaust ventilation system. |
| | Individual protective measures, for example personal protective equipment | |
| | General information: | Eye wash bottle with pure water. Do not eat, drink or smoke while working. Wash hands after handling |
| | Eye/face protection: | Safety goggles with side protection according to EN 166 |
| | Skin protection Hand protection: | Note: There is no risk of contact with chemicals. Use hand protection to avoid mechanical injuries. |
| | Other: | Wear suitable protective clothing and goggles/face protection when working. |
| | Respiratory protection: | Under ordinary conditions of use and with adequate ventilation, protective clothing is not normally required. |
| | Hygiene measures: | Observe recognized industrial hygiene measures. Do not eat, drink or smoke while working. Maintain good personal hygiene. Thoroughly clean hands and contaminated work areas with soap and water before leaving the workplace. Avoid contact with skin and eyes. |
| | Limitation and monitoring of environmental exposure: | Do not allow to enter waters, waste water and soil. |

SECTION 9: Physical and chemical properties

| | | |
|---|---|--|
| 9.1 | Information on the basic physical and chemical properties | |
| | Parameter | Value |
| | State of aggregation | liquid |
| | Colour | Colorless |
| | Smell | Odorless |
| | Melting point/freezing point | There are no data available. |
| | Boiling point or initial boiling point and boiling range | not applicable |
| | Flammability | There are no data available. |
| | Lower explosion limit upper explosion limit | There are no data available. Es liegen keine Daten vor. |
| | Flash point | > 200 °C (DIN 51376) |
| | Ignition temperature | > 400 °C (DIN 51794) |
| | Decomposition temperature | > 250 °C |
| | pH value | Not applicable |
| | Kinematic viscosity | Viscosity, dynamic 1300000 mPa.s |
| | Solubility | Insoluble in water |
| Partition coefficient n-octanol/water (log value) | There are no data available. | |

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| | | |
|------|--|---|
| | Vapour pressure | 1,17 g/cm ³ (25 °C) (DIN 53479) |
| | Density and/or specific gravity | 1,13 g/cm ³ (20 °C) |
| | Relative vapour density | There are no data available. |
| | Particle properties | There are no data available. |
| 9.2. | Other information There are no data available. | |

SECTION 10: Stability and reactivity

| | | |
|------|---|--|
| 10.1 | Reactivity | There are no data available. |
| 10.2 | Chemical stability | The material is stable under normal conditions |
| 10.3 | Possibility of hazardous reactions | Dangerous polymerization does not take place. |
| 10.4 | Conditions to avoid | Keep away from heat, sparks and open flame. |
| 10.5 | Incompatible materials | None known. |
| 10.6 | Decomposition products | Carbon oxides Silicon oxides. Measurements at temperatures above 150 °C in the presence of air (oxygen) have shown that formaldehyde is formed in small quantities by oxidative degradation. |

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SECTION 11: Toxicological data

| SECTION 11: Toxicological data | | |
|--------------------------------|---|---|
| 11.1 | Information on hazard classes within the meaning of Regulation (EC) No 1272/2008 | |
| | acute toxicity | Exposure routes Result/Effect Oral LD50 > 2000 mg/kg Species: rat, Source: Analogue dermal LD50 > 2000 mg/kg Species: rat, Source: Conclusion by analogy |
| | Corrosive/irritant effect on the skin | There are no data available |
| | Serious eye damage/irritation | There are no data available |
| | Sensitisation of the respiratory tract/skin | Exposure routes Result Skin contact Does not cause skin sensitization. (Species: Guinea pig, Test system: Buehler test, Method: OECD 406, Source: Analogy test) Inhalation No data available. |
| | Germ cell mutagenicity | There are no data available |
| | Carcinogenicity | There are no data available |
| | Reproductive toxicity | There are no data available |
| | Specific target organ toxicity at single exposure | There are no data available |
| | Specific target organ toxicity in case of repeated exposure | There are no data available |
| | Aspiration hazard | There are no data available |
| 11.2 | Information on other hazards | There are no data available |
| 11.2.1 | Endocrine disrupting properties | The substance/mixture does not contain any components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more. |
| 11.2.2 | Other information | There are no data available |

SECTION 12. Environmental information

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| | | |
|------|---|---|
| 12.1 | Toxicity | Assessment based on physico-chemical properties: Harmful effect on aquatic organisms is not expected. |
| 12.2 | Persistence and degradability | Polymer component: Non-biodegradable. Elimination by adsorption on activated sludge. |
| 12.3 | Bioaccumulative potential | Polymer component: No adverse effects expected. |
| 12.4 | Mobility in soil | Polymer component: insoluble in water. |
| 12.5 | Results of the PBT and vPvB assessment | There are no data available |
| 12.6 | Endocrine disrupting properties | The substance/mixture does not contain any components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more. |
| 12.7 | Other adverse effects | There are no data available |

SECTION 13: Disposal instructions

| | | |
|------|--------------------------------|---|
| 13.1 | Waste treatment process | |
| | General information | Recommendation: Material that cannot be reused, reprocessed or recycled should be disposed of at an approved facility in accordance with national, state and local regulations. Depending on regulations, waste treatment methods may include, for example, landfilling or incineration. 13.1.2 Uncleaned Packaging Recommendation: Packaging shall be emptied completely (drip-free, free-flowing, spatula clean). Packaging should preferably be reused or recycled in accordance with the applicable local/national regulations. Packaging that cannot be cleaned must be disposed of in the same way as the substance. |
| | Disposal methods | Waste code number (EC) No waste code number according to the European Waste Catalogue (AVV) can be defined for this product, as only the intended use by the consumer allows an assignment. The waste code number must be defined within the EU in consultation with the waste disposal company. |

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SECTION 14: Transport information

| | | |
|------|---|---|
| 14.1 | ADR | Not dangerous goods |
| 14.2 | ADN | Not dangerous goods |
| 14.3 | RID | Not dangerous goods |
| 14.4 | IMDG | Not dangerous goods |
| 14.5 | IATA | Keep separate from food and beverages. This product is not a dangerous good according to the currently valid national and international dangerous good regulations. |
| 14.6 | Special precautions for the user: | Not dangerous goods |
| 14.7 | Carriage in bulk in accordance with Annex II of the MARPOL Convention and the IBC Code: | Not applicable |

SECTION 15: Legislation

| | | |
|-----------------------------|--|------|
| 15.1 | Safety, health and environmental regulations/specific legislation for the substance or mixture: | |
| | EU regulations | |
| | Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled substances: | none |
| | Regulation (EU) 2019/1021 on persistent organic pollutants (new edition), as amended: | none |
| | Regulation (EC) No 649/2012 on the export and import of dangerous chemicals: | none |
| | Regulation (EC) No 1907/2006, REACH Annex XIV List of substances subject to authorisation, as amended: | none |
| | EU. REACH Candidate List of Substances of Very High Concern (SVHC) for authorisation: | none |
| | Regulation (EC) No 1907/2006 Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles : | none |
| | Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work...: | none |
| | Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding: | none |
| | Directive 2012/18/EU (Seveso III) on the control of major-accident hazards involving dangerous substances: | none |
| | REGULATION (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register, ANNEX II: Pollutants | none |
| | Directive 98/24/EU on the protection of workers from the risks related to chemical agents at work: | none |
| National regulations | | |

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| | |
|---|---|
| Water hazard class | <p>Ordinance on Installations for Handling Substances Hazardous to Water (AwSV).</p> <p>WGK 1: slightly hazardous to water.</p> <p>Classification according to AwSV, Annex 1 (5.2)</p> |
| Reference to Technical Rules for Hazardous Substances (TRGS) | none |
| VOC Directive (1999/13/EC) and the Decopaint Directive (2004/42/EC) | none |
| Other regulations | <p>Information on the International Registration Status</p> <p>Where relevant information on individual substance inventories is available, it is listed below.</p> <p>Japan :</p> <p>ENCS (Handbook of Existing and New Chemical Substances):</p> <p>This product is listed or in compliance with the substance inventory.</p> <p>Australia :</p> <p>AIC (Australian Inventory of Industrial Chemicals):</p> <p>This product is listed or in compliance with the substance inventory.</p> <p>China :</p> <p>IECSC (Inventory of Existing Chemical Substances in China):</p> <p>This product is listed or in compliance with the substance inventory.</p> <p>Canada :</p> |

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| | | |
|--|--|--|
| | | <p>DSL (Domestic Substance List):</p> <p>This product is listed or in compliance with the substance inventory.</p> <p>J</p> <p>Philippines..... : :</p> <p>PICCS (Philippine Inventory of Chemicals and Chemical Substances):</p> <p>This product is listed or in compliance with the substance inventory.</p> <p>J</p> <p>United States of America (USA) :</p> <p>TSCA (Toxic Substance Control Act Chemical Substance Inventory):</p> <p>All components of this product are actively listed or in compliance with the substance inventory.</p> <p>TY</p> <p>Taiwan :</p> <p>TCSI (Taiwan Chemical Substance Inventory):</p> <p>This product is listed or in compliance with the substance inventory. General Note: Chemical law in Taiwan requires Phase 1 registration for TCSI-listed or TCSI-compliant substances if the quantity threshold of 100 kg/year is exceeded when imported into Taiwan or manufactured in Taiwan (for mixtures, this must be calculated for each ingredient). This is the responsibility of the importer or manufacturer.</p> <p>J</p> <p>European Economic Area (EEA) :</p> <p>REACH (Regulation (EC) No 1907/2006):</p> |
|--|--|--|

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| | | |
|------|----------------------------|--|
| | | <p>General note: Registration obligations arising from manufacture in the EEA or import into the EEA by the supplier named in section 1 will be fulfilled by the supplier. Registration obligations arising from import into the EEA by customers or other downstream users shall be fulfilled by them.</p> <p>South Korea (Republic of Korea) :</p> <p>AREC (Chemicals Registration and Evaluation Act; "K-REACH"):</p> <p>Please contact your regular contact for further information.</p> |
| 15.2 | Chemical safety assessment | <p>The result of the chemical safety assessment does not require the specification of exposure scenarios and uses in the safety data sheet.</p> |

SECTION 16: Other information

| | | |
|------|---|--|
| 16.1 | Information on the revision | Not relevant. |
| | Important literature references and data sources: | There are no data available. |
| | Training information: | There are no data available. |
| | Disclaimer: | <p>More information To the best of our knowledge, the information in this safety data sheet corresponds to our knowledge at the time of revision. The information is intended to provide guidance on the safe handling of the product specified in this safety data sheet during storage, processing, transportation and disposal. The information is not transferable to other products. Insofar as the product named in this safety data sheet is mixed, blended or processed with other materials, or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material thus produced, unless expressly stated otherwise.</p> |

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

| | | |
|-------|---|--|
| 1.1 | Product identifier | STOPPi® Article no.: 90500_B |
| 1.2 | Relevant identified uses of the substance or mixture and uses which are not recommended | |
| 1.2.1 | Relevant uses medical device: | Elastosil LR 3003/70B |
| 1.2.2 | Uses that are not recommended: | None known |
| 1.3 | Details of the supplier providing the safety data sheet | Dr. Hinz Dental Vertriebsgesellschaft mbH & Co. KG Friedrich der Große 64 44628 Herne GERMANY Phone: + 49 (0) 23 23 / 59 34 20 Fax : + 49 (0) 23 23 / 59 34 29 E-Mail: qm@dhug.de |
| 1.4 | Emergency number | Contact: Dr. P. Hinz Phone: + 49 17 51 83 41 34 |

SECTION 2: Possible dangers

| | | |
|-------|---|--|
| 2.1 | Classification of the substance or mixture | The product has not been classified as hazardous according to the legislation in force. |
| 2.1.1 | Classification according to (EC) Regulation 1272/2008 as amended. | Not classified |
| 2.2 | Labelling elements Additional information: | Not applicable No data available |
| 2.3 | Other dangers | Product may release hydrogen. Danger of hydrogen formation with water, alcohols, acids, metal salts, amines and alkalis. The hydrogen formed may form oxyhydrogen gas in combination with oxygen. Endocrine disrupting properties - human health: the substance/mixture does not contain any components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more. Endocrine disrupting properties - Environment: The substance/mixture does not contain any components that exhibit endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more. |

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SECTION 3: Composition / Information on ingredients

| | | |
|-------|---------------------------|---|
| 3.1 | Chemical characterisation | Polydimethylsiloxane with vinyl groups and excipient |
| 3.1.1 | Dangerous ingredients | The product does not contain any hazardous ingredients above the consideration limit(s). This product does not contain any substances of very high concern (REACH Regulation (EC) No 1907/2006, Article 57) above $\geq 0.1\%$. |

Section 4: First aid measures

| | | |
|-----|--|--|
| 4.1 | Description of the first aid measures | |
| | General notes | No action should be taken that involves personal risk or has not been adequately trained. |
| | Inhalation: | Remove to fresh air. Seek medical attention if symptoms occur. |
| | Eye contact: | Immediately flush eye with water. Seek medical attention if symptoms occur. |
| | Skin contact: | Wash the area with soap and water. Remove contaminated, soaked clothing. Seek medical attention if symptoms occur. |
| | Ingestion: | Do NOT induce vomiting if swallowed. Administer a glass of water. Seek medical attention. |
| 4.2 | Most important symptoms and effects, both acute and delayed: | not known |
| 4.3 | Indications for immediate medical help or special treatment | |
| | Dangers: | This product is not expected to be harmful under normal use and proper personal hygiene. |
| | Treatment: | Do NOT induce vomiting if swallowed. Administer a glass of water. |

SECTION 5: Fire-fighting measures

| | | |
|-----|--|--|
| 5.1 | General fire hazards | Do not allow runoff of fire extinguishing materials, even in diluted form, to reach water bodies, sewage system or drinking water reservoirs. In case of insufficient ventilation, put on breathing apparatus. Remove containers from the fire area as far as this is possible without danger. |
| | Extinguishing agent Suitable extinguishing media | Fires can be controlled with water mist, foam or carbon dioxide. Larger fires are best fought with alcohol-resistant, water film-forming foam agents (AFFF-AR). |
| | Unsuitable extinguishing media: | Water jet , extinguishing powder , halon . |
| 5.2 | Special hazards arising from the substance or mixture: | In case of fire, formation of hazardous combustion gases or vapors possible. Exposure to combustion products can be a health hazard! Hazardous fire |

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| | | |
|-----|---|--|
| | | products: toxic and very toxic fumes . Care should be taken when using water-based extinguishing agents as hydrogen may be released, which can accumulate in poorly ventilated or confined areas after the fire has been extinguished and lead to renewed fire formation or explosions. Foam carpets may also trap hydrogen or flammable vapors, causing ground explosions. Eliminate ignition sources during cleaning and pickup. |
| 5.3 | Advice for firefighters Advice for firefighters: | Use self-contained breathing apparatus. Keep unprotected persons away. |
| | Special protective equipment for fire fighting: | Fires involving SiH polysiloxane materials may be difficult to extinguish. |

SECTION 6: Accidental release measures

| | | |
|-----|---|--|
| 6.1 | Personal precautions, protective equipment and emergency procedures: | Secure the area. Wear personal protective equipment (see section 8). Keep unprotected persons away. If material has been released, draw attention to slip hazard. Do not walk through spilled material. |
| 6.2 | Environmental protection measures: | Do not allow to enter waters, waste water and soil. Close leak if this can be done without risk. Retain contaminated water/extinguishing water. Dispose of in properly labeled containers. In case of leakage into water, sewage system or underground, notify competent authority. |
| 6.3 | Methods and material for retention and cleaning: | To avoid adhesion, dust the surface with sand or bleaching earth and pick up material mechanically. Sweep up or scrape up spilled material and place in a special chemical waste container. Remove any remaining slippery coating with detergent/soap solution or other biodegradable cleaner. Apply sand or other inert granular material to improve skid resistance. Additional Instructions: Vacuum fumes. Eliminate sources of ignition. Observe explosion protection. Material intended for disposal must be kept away from incompatible materials according to point 10. Do not mix contaminated material with clean material. Do not seal collection vessels gas-tight. Observe the information in section 7. |
| 6.4 | Reference to other sections: | Relevant information in other sections must be observed. This applies in particular to information on personal protective equipment (section 8) and disposal (section 13). |

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Section 7: Handling and storage:

| | | |
|-----|---|---|
| 7.1 | Protective measures for safe handling: | Pack this product in unbreakable containers (no glass containers!) to avoid contact with the substances mentioned in chapter 10. Keep away from food, beverages and animal feed. Use only in well-ventilated areas. Do not eat, drink or smoke while working. |
| | Notes on fire and explosion protection: | Keep container tightly closed. Store in the original container. Keep away from heat and open flame. |
| 7.2 | Conditions for safe storage taking into account incompatibilities: | Store the product in the original tightly closed container in a dry and cool place. Keep away from water, acids, bases, amines, alcohols. |
| | Storage stability: | The material is stable under normal conditions. |
| | Storage class: | (TRGS 510):10 |
| 7.3 | Specific end uses: | There are no data available. |

SECTION 8: Exposure controls/personal protective equipment

| | | |
|-----|--|---|
| 8.1 | Parameters to be monitored Occupational exposure limit values | Occupational exposure limits do not apply to any of the ingredients. |
| | Biological limit values | None(s). |
| 8.2 | Exposure controls Suitable engineering controls: | No special requirements under normal conditions of use and with adequate ventilation. Eye wash bottle with pure water. |
| | Individual protective measures, for example personal protective equipment | |
| | General information: | Eye wash bottle with pure water. Do not eat, drink or smoke when handling the product. Wash hands after handling. Avoid contact with skin and eyes. |
| | Eye/face protection: | Safety goggles with side protection according to EN 167 |
| | Skin protection Hand protection: | When handling the product, the use of protective gloves is recommended, according to recognized standards such as EN374. Recommended glove material: Protective gloves made of nitrile rubber. Material thickness: > 0.1 mm Breakthrough time: > 480 min Recommended glove material: Protective gloves made of butyl rubber Material thickness: > 0.3 mm |

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| | |
|---|---|
| | Breakthrough time: > 480 min |
| | Please observe the specifications of the glove supplier with regard to permeability and breakthrough time. Also consider the specific local conditions under which the product is used, such as cut hazard, abrasion and contact duration. It should be noted that in practice, the daily service life of a chemical protective glove may be significantly shorter than the permeation time determined by testing due to the many influencing factors (for example, temperature). |
| Other: | Before handling this product, personal protective equipment should be selected based on the task to be performed and the risks involved, and approved by a specialist. |
| Respiratory protection: | Under ordinary conditions of use and with adequate ventilation, protective clothing is not normally required. |
| Hygiene measures: | Avoid contact with skin and eyes. Observe recognized industrial hygiene measures. Do not eat, drink or smoke while working. Wash hands after handling. |
| Limitation and monitoring of environmental exposure: | Do not allow to enter waters, waste water and soil. |

SECTION 9: Physical and chemical properties

| 9.1 | Information on the basic physical and chemical properties | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-----------|-------|----------------------|---------------|--------|-----------|-------|------|------------------------------|------------------------------|--|----------------|--------------|-----------------------------|--|-----------------------------|-------------|----------|----------------------|-------------------------|---------------------------|-------------------------|----------|----------------|---------------------|-------------------------------------|------------|---------------------------------------|---|-----------------------------|
| | <table border="1"><thead><tr><th>Parameter</th><th>Value</th></tr></thead><tbody><tr><td>State of aggregation</td><td>liquid/ paste</td></tr><tr><td>Colour</td><td>colorless</td></tr><tr><td>Smell</td><td>Weak</td></tr><tr><td>Melting point/freezing point</td><td>There are no data available.</td></tr><tr><td>Boiling point or initial boiling point and boiling range</td><td>Not applicable</td></tr><tr><td>Flammability</td><td>here are no data available.</td></tr><tr><td>Lower explosion limit upper explosion limit</td><td>here are no data available.</td></tr><tr><td>Flash point</td><td>> 200 °C</td></tr><tr><td>Ignition temperature</td><td>(DIN 51376) > 400 °C</td></tr><tr><td>Decomposition temperature</td><td>(DIN 51794) > 250 °C</td></tr><tr><td>pH value</td><td>Not applicable</td></tr><tr><td>Kinematic viscosity</td><td>Viscosity, dynamic 1300000 mPa.s</td></tr><tr><td>Solubility</td><td>Solubility in water: Insoluble</td></tr><tr><td>Partition coefficient n-octanol/water (log value)</td><td>here are no data available.</td></tr></tbody></table> | Parameter | Value | State of aggregation | liquid/ paste | Colour | colorless | Smell | Weak | Melting point/freezing point | There are no data available. | Boiling point or initial boiling point and boiling range | Not applicable | Flammability | here are no data available. | Lower explosion limit upper explosion limit | here are no data available. | Flash point | > 200 °C | Ignition temperature | (DIN 51376) > 400 °C | Decomposition temperature | (DIN 51794) > 250 °C | pH value | Not applicable | Kinematic viscosity | Viscosity, dynamic 1300000 mPa.s | Solubility | Solubility in water: Insoluble | Partition coefficient n-octanol/water (log value) | here are no data available. |
| Parameter | Value | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| State of aggregation | liquid/ paste | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Colour | colorless | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Smell | Weak | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Melting point/freezing point | There are no data available. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boiling point or initial boiling point and boiling range | Not applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flammability | here are no data available. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower explosion limit upper explosion limit | here are no data available. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flash point | > 200 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ignition temperature | (DIN 51376) > 400 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Decomposition temperature | (DIN 51794) > 250 °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pH value | Not applicable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kinematic viscosity | Viscosity, dynamic 1300000 mPa.s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solubility | Solubility in water: Insoluble | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Partition coefficient n-octanol/water (log value) | here are no data available. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | |
|-------------|---------------------------------|--|
| | Vapour pressure | inapplicable |
| | Density and/or specific gravity | 1,2 g/cm ³ (25 °C) (DIN 53479)) |
| | Relative vapour density | here are no data available. |
| | Particle properties | here are no data available. |
| 9.2. | Other information | Explosionsgrenzen für freigesetzten Wasserstoff: 4 - 75,6 Vol%. Nach bisheriger Kenntnis kann die Selbstentzündung von SiH enthaltenden Produkten auf katalytisch wirkendem Untergrund schon bei viel tieferen Temperaturen als erwartet erfolgen. Dies gilt für porige oder faserige Stoffe einschließlich solcher mit alkalischer Oberfläche wie z.B. thermische oder zementartige Isoliermaterialien. |

SECTION 10: Stability and reactivity

| | | |
|-------------|---|---|
| 10.1 | Reactivity | here are no data available. |
| 10.2 | Chemical stability | The material is stable under normal conditions. |
| 10.3 | Possibility of hazardous reactions | Dangerous polymerization does not take place. |
| 10.4 | Conditions to avoid | Product generates a flammable gas in contact with acids, bases or oxidizing substances. Protect from heat. Keep away from moisture. |
| 10.5 | Incompatible materials | Proton-active substances. Reacts with acids, basic substances (e.g. alkalis, ammonia, amines), alcohols, water, moisture, oxidizing agents, catalysts. The reaction takes place with the formation of hydrogen. |
| 10.6 | Decomposition products | Carbon oxides Silicon oxides. Measurements at temperatures above 150 °C in the presence of air (oxygen) have shown that small amounts of formaldehyde are formed by oxidative degradation. |

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SECTION 11: Toxicological data

| SECTION 11: Toxicological data | |
|---|---|
| 11.1 | Information on hazard classes within the meaning of Regulation (EC) No 1272/2008 |
| acute toxicity | <p>Our experience shows that our Silopren elastomer products exposure routes</p> <p>Result/Effect</p> <p>Oral</p> <p>LD50 > 2000 mg/kg</p> <p>Species: Rat, Source: Analogue</p> <p>dermal</p> <p>LD50 > 2000 mg/kg</p> <p>Species: rat, Source: Conclusion by analogy</p> |
| Corrosive/irritant effect on the skin | No skin irritation (species: rabbit, source: analogy). |
| Serious eye damage/irritation | No eye irritation (species: rabbit, source: analogy) |
| Sensitisation of the respiratory tract/skin | <p>Exposure routes</p> <p>Result</p> <p>Skin contact</p> <p>Does not cause skin sensitization. (Species: Guinea pig, Test system: Buehler test, Method: OECD 406, Source: Analogy test)</p> <p>Inhalation</p> <p>No data available.</p> |
| Germ cell mutagenicity | here are no data available. |
| Carcinogenicity | here are no data available. |
| Reproductive toxicity | here are no data available. |
| Specific target organ toxicity at single exposure | here are no data available. |
| Specific target organ toxicity in case of repeated exposure | here are no data available. |
| Aspiration hazard | here are no data available. |
| 11.2 | Information on other hazards |
| | here are no data available. |
| 11.2.1 | Endocrine disrupting properties |
| | The substance/mixture does not contain any components that are subject to REACH Article 57(f) or the Delegated Regulation (EU) 2017/2100 of the Commission or Commission Delegated Regulation (EU) 2018/605. Commission in quantities of 0.1% or more have endocrine disrupting Properties..; |
| 11.2.2 | Other information |
| | here are no data available. |

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SECTION 12. Environmental information

| | | |
|------|---|--|
| 12.1 | Toxicity | Assessment based on physico-chemical properties: Harmful effect on aquatic organisms is not expected. |
| 12.2 | Persistence and degradability | Polymer component: Non-biodegradable. Elimination by adsorption on activated sludge. |
| 12.3 | Bioaccumulative potential | Polymer component: No adverse effects expected. |
| 12.4 | Mobility in soil | Polymer component: insoluble in water. |
| 12.5 | Results of the PBT and vPvB assessment | here are no data available. |
| 12.6 | Endocrine disrupting properties | The substance/mixture does not contain any components that are subject to REACH Article 57(f) or the Delegated Regulation (EU) 2017/2100 of the Commission or Commission Delegated Regulation (EU) 2018/605. Commission in quantities of 0.1% or more have endocrine disrupting Properties.; |
| 12.7 | Other adverse effects | Ecotoxicological data on the product are not available. |

SECTION 13: Disposal instructions

| | | |
|------|--------------------------------|---|
| 13.1 | Waste treatment process | |
| | General information | Recommendation: Danger of oxyhydrogen gas formation in case of contact with substances mentioned under 10. Material intended for disposal must be kept away from incompatible substances mentioned in point 10. Waste from this product should not be mixed with other waste. Waste containers must be equipped with pressure equalization devices such as vented lids. Material that cannot be reused, reprocessed or recycled should be disposed of at an approved facility in accordance with national, state and local regulations. Depending on regulations, waste treatment methods may include, for example, landfill disposal or incineration. 13.1.2 Uncleaned Packaging Recommendation: Containers may contain hazardous levels of hydrogen. Do not reuse uncleaned containers and fill with other materials due to possible reaction between residual product and incompatible material. Packages must be emptied completely (drip-free, free-flowing, spatula clean). Packaging should preferably be disposed of in accordance with the applicable local/national regulations. |
| | Disposal methods | No waste code number according to the European Waste Catalogue (AVV) can be defined for this product, as only the intended use by the consumer allows an allocation. The waste code number must be defined within the EU in consultation with the disposal company. |

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SECTION 14: Transport information

| | | |
|------|---|---|
| 14.1 | ADR | Not dangerous goods |
| 14.2 | ADN | Not dangerous goods |
| 14.3 | RID | Not dangerous goods |
| 14.4 | IMDG | Not dangerous goods |
| 14.5 | IATA | Keep separate from food and beverages. This product is not a dangerous good according to the currently valid national and international dangerous good regulations. |
| 14.6 | Special precautions for the user: | Not dangerous goods |
| 14.7 | Carriage in bulk in accordance with Annex II of the MARPOL Convention and the IBC Code: | Not applicable |

SECTION 15: Legislation

| | | |
|-----------------------------|--|------|
| 15.1 | Safety, health and environmental regulations/specific legislation for the substance or mixture: | |
| | EU regulations | |
| | Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled substances: | none |
| | Regulation (EU) 2019/1021 on persistent organic pollutants (new edition), as amended: | none |
| | Regulation (EC) No 649/2012 on the export and import of dangerous chemicals: | none |
| | Regulation (EC) No 1907/2006, REACH Annex XIV List of substances subject to authorisation, as amended: | none |
| | EU. REACH Candidate List of Substances of Very High Concern (SVHC) for authorisation: | none |
| | Regulation (EC) No 1907/2006 Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles : | none |
| | Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work...: | none |
| | Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding: | none |
| | Directive 2012/18/EU (Seveso III) on the control of major-accident hazards involving dangerous substances: | none |
| | REGULATION (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register, ANNEX II: Pollutants | none |
| | Directive 98/24/EU on the protection of workers from the risks related to chemical agents at work: | none |
| National regulations | | |

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| | |
|---|---|
| Water hazard class | <p>Ordinance on Installations for Handling Substances Hazardous to Water (AwSV).</p> <p>WGK 1: slightly hazardous to water.</p> <p>Classification according to AwSV, Annex 1 (5.2)</p> |
| Reference to Technical Rules for Hazardous Substances (TRGS) | <p>Technical Instructions on Air Quality Control (TA-Luft):</p> <p>Octamethylcyclotetrasiloxane</p> <p>Number 5.2.5 Class II, Organic substances</p> |
| VOC Directive (1999/13/EC) and the Decopaint Directive (2004/42/EC) | none |
| Other regulations | <p>Where relevant information on individual substance inventories is available, it is listed below.</p> <p>Japan :</p> <p>ENCS (Handbook of Existing and New Chemical Substances):</p> <p>This product is listed or in compliance with the substance inventory.</p> <p>J</p> <p>Australia :</p> <p>AIC (Australian Inventory of Industrial Chemicals):</p> <p>This product is listed or in compliance with the substance inventory.</p> <p>J</p> <p>China :</p> <p>IECSC (Inventory of Existing Chemical Substances in China):</p> <p>This product is listed or in compliance with the substance inventory.</p> |

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|--|--|--|
| | | <p>J</p> <p>Canada :</p> <p>DSL (Domestic Substance List):</p> <p>This product is listed or in compliance with the substance inventory.</p> <p>J</p> <p>Philippines..... :</p> <p>PICCS (Philippine Inventory of Chemicals and Chemical Substances):</p> <p>This product is listed or in compliance with the substance inventory.</p> <p>J</p> <p>United States of America (USA) :</p> <p>TSCA (Toxic Substance Control Act Chemical Substance Inventory):</p> <p>All components of this product are actively listed or in compliance with the substance inventory.</p> <p>TY</p> <p>Taiwan :</p> <p>TCSI (Taiwan Chemical Substance Inventory):</p> <p>This product is listed or in compliance with the substance inventory. General Note: Chemical law in Taiwan requires Phase 1 registration for TCSI-listed or TCSI-compliant substances if the quantity threshold of 100 kg/year is exceeded when imported into Taiwan or manufactured in Taiwan (for mixtures, this must be calculated for each ingredient). This is the responsibility of the importer or manufacturer.</p> <p>J</p> |
|--|--|--|

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| | | |
|------|-----------------------------------|---|
| | | <p>European Economic Area (EEA) :</p> <p>REACH (Regulation (EC) No 1907/2006):</p> <p>General note: Registration obligations arising from manufacture in the EEA or import into the EEA by the supplier named in section 1 will be fulfilled by the supplier. Registration obligations arising from import into the EEA by customers or other downstream users shall be fulfilled by them.</p> <p>South Korea (Republic of Korea) :</p> <p>AREC (Chemicals Registration and Evaluation Act; "K-REACH"):</p> <p>Please contact your regular contact for further information.</p> |
| 15.2 | Chemical safety assessment | <p>The result of the chemical safety assessment does not require the specification of exposure scenarios and uses in the safety data sheet.</p> |

SECTION 16: Other information

| | | |
|------|--|---|
| 16.1 | Information on the revision | Not relevant. |
| | Important literature references and data sources: | There are no data available. |
| | Training information: | There are no data available. |
| | Disclaimer: | <p>More information</p> <p>To the best of our knowledge, the information in this safety data sheet corresponds to our knowledge at the time of revision. The information is intended to provide guidance on the safe handling of the product specified in this safety data sheet during storage, processing, transportation and disposal. The information is not transferable to other products. Insofar as the product named in this safety data sheet is mixed, blended or processed with other materials, or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material thus produced, unless expressly stated otherwise.</p> |