

| SECTION 3: Composition/information on ingredients | | |
|---|--|--|
| 3.1. Substances | | |
| Substance type | : Polymer | |
| Name | : (0.3-0.7% VINYLMETHYLSILOXANE)-DIMETHYLSILOXANE COPOLYMER, TRIMETHYLSILOXY TERMINATED | |

2.3.

Contains PBT/vPvB substances >= 0.1% assessed in accordance with REACH Annex XIII

Safety Data Sheet

| CAS-No. | : 67762-94-1 |
|---------|--------------|
| EC-No. | : 419-920-2 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|------|---|
| Dimethylmethylvinylsiloxane | (CAS-No.) 67762-94-1 (EC-No.) 419-920-2 | > 97 | Not classified |
| Octamethylcyclotetrasiloxane substance listed as REACH Candidate (Octamethylcyclotetrasiloxane (D4)) | (CAS-No.) 556-67-2 (EC-No.) 209-136-7 | < 2 | Repr. 2, H361f Aquatic Chronic 4, H413 |

Full text of H-statements: see section 16

| 3.2. Mixtures | |
|--|--|
| Not applicable | |
| SECTION 4: First aid measures | |
| 4.1. Description of first aid measures | |
| First-aid measures general | : Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medica advice. |
| First-aid measures after skin contact | : Wash with plenty of water/ Get medical advice/attention. |
| First-aid measures after eye contact | : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, in present and easy to do. Continue rinsing. Get medical advice/attention. |
| First-aid measures after ingestion | : Never give anything by mouth to an unconscious person. Get medical advice/attention. |
| 4.2. Most important symptoms and effe | ects, both acute and delayed |
| Symptoms/effects after inhalation | : May be harmful if inhaled. |
| Symptoms/effects after skin contact | : May cause mild skin irritation. |
| Symptoms/effects after eye contact | : May cause mild eye irritation. |
| Symptoms/effects after ingestion | : May be harmful if swallowed. |
| 4.3. Indication of any immediate medic | al attention and special treatment needed |
| No additional information available | |
| SECTION 5: Firefighting measures | |
| 5.1. Extinguishing media | |
| Suitable extinguishing media | : Water spray. Water fog. Foam. Carbon dioxide. Dry chemical. |
| Unsuitable extinguishing media | None known. |
| 5.2. Special hazards arising from the s | ubstance or mixture |
| Fire hazard | : Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame. |
| 5.3. Advice for firefighters | |
| Firefighting instructions | : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapour and mist. |
| SECTION 6: Accidental release mea | asures |
| 6.1. Personal precautions, protective e | quipment and emergency procedures |
| 6.1.1. For non-emergency personnel | |
| Protective equipment | : Wear protective equipment as described in Section 8. |
| Emergency procedures | : Evacuate unnecessary personnel. |
| 6.1.2. For emergency responders | |
| Protective equipment | : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". |
| 6.2. Environmental precautions | |
| Description to a survey and sub-Parisets on Matt | ify authorities if liquid enters sewers or public waters. |

Safety Data Sheet

pН

Melting point Freezing point

Boiling point Print date: 10/04/2019

Relative evaporation rate (butylacetate=1)

| 6.3. Methods and material for containment | and cleaning up | |
|---|--|--|
| For containment : | Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. | |
| Methods for cleaning up : | Clean up any spills as soon as possible, using an absorbent material to collect it. | |
| 6.4. Reference to other sections | | |
| See Heading 8. Exposure controls and personal pro- | otection. | |
| SECTION 7: Handling and storage | | |
| 7.1. Precautions for safe handling | | |
| Precautions for safe handling : | Avoid all eye and skin contact and do not breathe vapour and mist. Use only in well ventilated areas. | |
| Hygiene measures : | Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. | |
| 7.2. Conditions for safe storage, including | any incompatibilities | |
| Storage conditions : | Keep container tightly closed. | |
| Incompatible materials : | Oxidizing agent. | |
| Storage area : | Store in a well-ventilated place. Store away from heat. | |
| 7.3. Specific end use(s) | | |
| No additional information available | | |
| SECTION 8: Exposure controls/persor | al protection | |
| 8.1. Control parameters | | |
| No additional information available | | |
| | | |
| 8.2. Exposure controls | | |
| Appropriate engineering controls: | | |
| Provide local exhaust or general room ventilation. | | |
| Personal protective equipment: | | |
| Avoid all unnecessary exposure. Emergency eye w exposure. | rash fountains and safety showers should be available in the immediate vicinity of any potential | |
| Hand protection: | | |
| Neoprene or nitrile rubber gloves | | |
| Eye protection: | | |
| Safety glasses. Contact lenses should not be worn | | |
| Skin and body protection: | | |
| Wear suitable protective clothing | | |
| Respiratory protection: | | |
| Where exposure through inhalation may occur from cartridge) respirator. | n use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black | |
| SECTION 9: Physical and chemical pro | operties | |
| 9.1. Information on basic physical and che | emical properties | |
| Physical state : | Liquid | |
| Appearance | Clear extremely viscous liquid. | |
| Molecular mass : | 425000 g/mol | |
| Colour : | No data available | |
| Odour : | No data available | |
| Odour threshold : | No data available | |
| Refractive index | No additional information available | |

: No data available

No data availableNo data available

: No data available

Safety Data Sheet

| Flash point | : 205 °C | |
|-------------------------------------|-------------------------|--|
| Auto-ignition temperature | : No data available | |
| Decomposition temperature | : No data available | |
| Flammability (solid, gas) | : Non flammable. | |
| Vapour pressure | : No data available | |
| Relative vapour density at 20 °C | : No data available | |
| Relative density | : 0.98 | |
| % Volatiles | : <3% | |
| Solubility | : Insoluble in water. | |
| Log Pow | : No data available | |
| Log Kow | : No data available | |
| Viscosity, kinematic | : 2000000 - 4000000 cSt | |
| Viscosity, dynamic | : No data available | |
| Explosive properties | : No data available | |
| Oxidising properties | : No data available | |
| Explosive limits | : No data available | |
| 9.2. Other information | | |
| No additional information available | | |
| SECTION 10: Stability and read | tivity | |
| | | |

| SECTION TO. Stability and reactivity | |
|--|--|
| 10.1. Reactivity | |
| No additional information available | |
| 10.2. Chemical stability | |
| Stable. | |
| 10.3. Possibility of hazardous reactions | |
| No additional information available | |
| 10.4. Conditions to avoid | |
| No additional information available | |
| 10.5. Incompatible materials | |
| Oxidizing agent. | |
| 10.6. Hazardous decomposition products | |
| Organic acid vapors. Silicon dioxide. | |
| SECTION 11: Toxicological information | |
| 11.1. Information on toxicological effects | |
| Acute toxicity : Not classified | |
| Octamethylcyclotetrasiloxane (556-67-2) | |
| LD50 oral rat | 1540 mg/kg RTECS Number: GZ4397000 |
| LD50 dermal rat | 1770 mg/kg |
| LD50 dermal rabbit | 794 µl/kg |
| LC50 inhalation rat (mg/l) | 36 g/m ³ (Exposure time: 4 h) |
| ATE CLP (oral) | 1540 mg/kg bodyweight |
| ATE CLP (dermal) | 1770 mg/kg bodyweight |
| | |

 ATE CLP (dust,mist)
 36 mg/l/4h

 Skin corrosion/irritation
 : Not classified

 Serious eye damage/irritation
 : Not classified

 Respiratory or skin sensitisation
 : Not classified

 Germ cell mutagenicity
 : Not classified

 Carcinogenicity
 : Not classified

None of the components in this product at concentrations >0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

36 mg/l/4h

ATE CLP (vapours)

Safety Data Sheet

| Reproductive toxicity | : Not classified | |
|--|---|--|
| | The classification is based on reproductive studies in animals. Octamethylcyclotetrasiloxane: Rat TDLo (Inhalation) 500 ppm, male 70 days and 70 days prior to mating - 3 weeks after birth prior to mating. Toxic Effects: Effects on Newborn - Live birth index. | |
| STOT-single exposure | : Not classified | |
| STOT-repeated exposure | : Not classified | |
| Aspiration hazard | : Not classified | |
| Symptoms/effects after inhalation | : May be harmful if inhaled. | |
| Symptoms/effects after skin contact | : May cause mild skin irritation. | |
| Symptoms/effects after eye contact | : May cause mild eye irritation. | |
| Symptoms/effects after ingestion | : May be harmful if swallowed. | |
| | | |
| SECTION 12: Ecological information | | |
| 12.1. Toxicity | | |
| Acute aquatic toxicity | : Not classified | |
| Chronic aquatic toxicity | : Not classified | |
| Octamethylcyclotetrasiloxane (556-67-2) | 500 mg/l (Evpopuro timo: 06 b. Operator: Prochudonia ratia) | |
| LC50 fish 1 LC50 fish 2 | > 500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio) > 1000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus) | |
| | > 1000 mg/ (Exposure time, 90 n - Species, Leponis macrochirus) | |
| 12.2. Persistence and degradability | | |
| No additional information available | | |
| 12.3. Bioaccumulative potential | | |
| Octamethylcyclotetrasiloxane (556-67-2) | | |
| BCF fish 1 | 12400 | |
| Log Pow | 5.1 | |
| 12.4. Mobility in soil | | |
| No additional information available | | |
| 12.5. Results of PBT and vPvB assessme | ent de la constance de la const | |
| Component | | |
| Octamethylcyclotetrasiloxane (556-67-2) | This substance/mixture meets the PBT criteria of REACH regulation, annex XIII | |
| | This substance/mixture meets the vPvB criteria of REACH regulation, annex XIII | |
| 12.6. Other adverse effects | | |
| No additional information available | | |
| SECTION 13: Disposal consideration | ns | |
| 13.1. Waste treatment methods | | |
| Sewage disposal recommendations | : Do not dispose of waste into sewer. | |
| Product/Packaging disposal recommendations | Do not dispose of waste into sever. Incinerate. Dispose in a safe manner in accordance with local/national regulations. | |
| Ecology - waste materials | : Avoid release to the environment. | |
| SECTION 14: Transport information | | |
| 14.1. UN number | | |
| In accordance with ADR / RID / IMDG / IATA / A | DN | |
| ddd IN number | | |
| 14.1. UN number | · Not applicable | |
| UN-No. (ADR) UN-No. (IMDG) | : Not applicable : Not applicable | |
| UN-No. (IATA) | : Not applicable | |
| UN-No. (ADN) | : Not applicable | |
| UN-No. (RID) | : Not applicable | |
| . , | . Not approaute | |
| 14.2. UN proper shipping name | · Nationalizable | |
| Proper Shipping Name (ADR) | : Not applicable | |
| Proper Shipping Name (IMDG) | : Not applicable | |

: Not applicable

Safety Data Sheet

| Proper Shipping Name (ADN) | : Not applicable |
|---|---|
| Proper Shipping Name (RID) | : Not applicable |
| 14.3. Transport hazard class(es) | |
| ADR | Alst englishts |
| Transport hazard class(es) (ADR) | : Not applicable |
| IMDG | |
| Transport hazard class(es) (IMDG) | : Not applicable |
| | |
| ΙΑΤΑ | |
| Transport hazard class(es) (IATA) | : Not applicable |
| | |
| | Alst englishts |
| Transport hazard class(es) (ADN) | : Not applicable |
| RID | |
| Transport hazard class(es) (RID) | : Not applicable |
| | |
| 14.4.Packing groupPacking group (ADR) | : Not applicable |
| Packing group (IMDG) | : Not applicable |
| Packing group (IATA) | : Not applicable |
| Packing group (ADN) | : Not applicable |
| Packing group (RID) | : Not applicable |
| 14.5. Environmental hazards | |
| Dangerous for the environment | : No |
| Marine pollutant | : No |
| Other information | : No supplementary information available |
| | |
| 14.6. Special precautions for user | |
| - Overland transport | |
| No data available | |
| - Transport by sea | |
| No data available | |
| | |
| - Air transport | |
| No data available | |
| - Inland waterway transport | |
| No data available | |
| - Rail transport | |
| No data available | |
| 14.7. Transport in bulk according to An | nex II of Marpol and the IBC Code |
| Not applicable | |
| SECTION 15: Regulatory information | on |
| | regulations/legislation specific for the substance or mixture |

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

(0.3-0.7% VINYLMETHYLSILOXANE)-DIMETHYLSILOXANE COPOLYMER, TRIMETHYLSILOXY TERMINATED is not on the REACH Candidate List

Contains a substance on the REACH candidate list in concentration \geq 0.1% or with a lower specific limit: Octamethylcyclotetrasiloxane (D4) (EC 209-136-7, CAS 556-67-2)

(0.3-0.7% VINYLMETHYLSILOXANE)-DIMETHYLSILOXANE COPOLYMER, TRIMETHYLSILOXY TERMINATED is not on the REACH Annex XIV List

Safety Data Sheet

(0.3-0.7% VINYLMETHYLSILOXANE)-DIMETHYLSILOXANE COPOLYMER, TRIMETHYLSILOXY TERMINATED is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals (0.3-0.7% VINYLMETHYLSILOXANE)-DIMETHYLSILOXANE COPOLYMER, TRIMETHYLSILOXY TERMINATED is not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC : < 3 % % Volatiles 15.1.2. National regulations Germany 12th Ordinance Implementing the Federal : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance) Immission Control Act - 12.BImSchV Netherlands SZW-lijst van kankerverwekkende stoffen : The substance is not listed : The substance is not listed SZW-lijst van mutagene stoffen NIET-limitatieve lijst van voor de voortplanting : The substance is not listed giftige stoffen - Borstvoeding : The substance is not listed NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid NIET-limitatieve lijst van voor de voortplanting : The substance is not listed giftige stoffen - Ontwikkeling 15.2. **Chemical safety assessment** No additional information available

SECTION 16: Other information

Abbreviations and acronyms:

Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development; GHS: The Globally Harmonized System of Classification and Labelling; APF: Assigned Protection Factor

Other information

: Prepared by safety and environmental affairs.

| Full text of H- and | ELIH statements: |
|---------------------|------------------|
| Full lext of H- and | EUH-statements. |

| Aquatic Chronic 4 | Hazardous to the aquatic environment — Chronic Hazard, Category 4 |
|-------------------|---|
| Repr. 2 | Reproductive toxicity, Category 2 |
| H361f | Suspected of damaging fertility. |
| H413 | May cause long lasting harmful effects to aquatic life. |
| EUH210 | Safety data sheet available on request. |

SDS EU (REACH Annex II) - Custom

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