SAFETY DATA SHEET
XIAMETER EHX40MLC00 SILICONE RUBBER GREY

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

1.1. Product identifier

Product name XIAMETER EHX40MLC00 SILICONE RUBBER GREY

Product number 61071

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Polymers

1.3. Details of the supplier of the safety data sheet

Supplier

Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
+44 1274 267306
SDS.EMEA@univarsolutions.com

1.4. Emergency telephone number

Emergency telephone SGS - +32 (0)3 575 55 55 (24h)

Sds No. 61071

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Repr. 1B - H360D

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms

Signal word Danger

Hazard statements H360D May damage the unborn child.

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Precautionary statements P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P308+P313 IF exposed or concerned: Get medical advice/ attention.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with local regulations.

Supplemental label information RCH002a Restricted to professional users.

Contains BIS(ALPHA,ALPHA-DIMETHYLBENZYL) PEROXIDE

2.3. Other hazards

This product contains a substance classified as vPvB. This product contains a substance classified as PBT. The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DECAMETHYLCYCLOPENTASILOXANE **>= 0.1 - < 1.0 %**

CAS number: 541-02-6 EC number: 208-764-9 REACH registration number: 01-2119511367-43-XXXX

Classification
Not Classified

DODECAMETHYLCYCLOHEXASILOXANE **>= 0.1 - < 1.0 %**

CAS number: 540-97-6 EC number: 208-762-8 REACH registration number: 01-2119517435-42-XXXX

Classification
Not Classified

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER ≤ 10 µm] **>= 0.1 - < 1.0 %**

CAS number: 13463-67-7 EC number: 236-675-5 REACH registration number: 01-2119489379-17-XXXX

Classification
Carc. 2 - H351

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BIS(ALPHA,ALPHA-DIMETHYLBENZYL) PEROXIDE **>= 0.3 - < 1.0 %**

CAS number: 80-43-3 EC number: 201-279-3 REACH registration number: 01-2119541688-27-XXXX

Classification
Org. Perox. F - H242
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Repr. 1B - H360D
Aquatic Chronic 2 - H411

OCTAMETHYLCYCLOTETRASILOXANE **>= 0.25 - < 1.0 %**

CAS number: 556-67-2 EC number: 209-136-7

M factor (Chronic) = 10

Classification
Flam. Liq. 3 - H226
Repr. 2 - H361f
Aquatic Chronic 1 - H410

The full text for all hazard statements is displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information First aid personnel should wear appropriate protective equipment during any rescue. Wear protective clothing as described in Section 8 of this safety data sheet.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. May cause a blockage. Do not induce vomiting unless under the direction of medical personnel. Get medical attention if any discomfort continues.

Skin contact After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Burns (in contact with molten product): Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Get medical attention immediately. Provide shower facilities near the workplace.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information May damage the unborn child.

Eye contact Solid particles trapped behind the eyelid may cause abrasive damage.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor Contact with hot product can cause serious thermal burns. Avoid vomiting and stomach flushing because of the risk of aspiration. Treat symptomatically. If in doubt, get medical attention promptly.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards When heated and in case of fire, toxic vapours/gases may be formed.

Hazardous combustion products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Formaldehyde Oxides of the following substances: Carbon. Silicon.

5.3. Advice for firefighters

Protective actions during firefighting No action shall be taken without appropriate training or involving any personal risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Do not use water jet as an extinguisher, as this will spread the fire. Contain and collect extinguishing water. Avoid the spillage or runoff entering drains, sewers or watercourses. Evacuate area.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with skin and eyes. Avoid spilling. Avoid release to the environment. Observe good chemical hygiene practices. Product residues retained in emptied containers can be hazardous.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Only store in correctly labelled containers. Store locked up. Store away from the following materials: Strong oxidising agents.

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7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

DECAMETHYLCYCLOPENTASILOXANE

Long-term exposure limit (8-hour TWA): SUP 10 ppm

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER ≤ 10 µm]

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

OCTAMETHYLCYCLOTETRASILOXANE

Long-term exposure limit (8-hour TWA): SUP 10 ppm

WEL = Workplace Exposure Limit.

Ingredient comments Observe any occupational exposure limits for the product or ingredients.

DECAMETHYLCYCLOPENTASILOXANE (CAS: 541-02-6)

DNEL

Workers - Inhalation; Short term systemic effects: 97.3 mg/m³
Workers - Inhalation; Short term local effects: 24.2 mg/m³
Workers - Inhalation; Long term systemic effects: 97.3 mg/m³
Workers - Inhalation; Long term local effects: 24.2 mg/m³
Consumer - Inhalation; Short term systemic effects: 17.3 mg/m³
Consumer - Inhalation; Short term local effects: 4.3 mg/m³
Consumer - Inhalation; Long term systemic effects: 17.3 mg/m³
Consumer - Inhalation; Long term local effects: 4.3 mg/m³
Consumer - Oral; Short term systemic effects: 5 mg/kg/day
Consumer - Oral; Long term systemic effects: 5 mg/kg/day

PNEC

- Fresh water; >0.0012 mg/l
- marine water; >0.00012 mg/l
- Sediment (Freshwater); 2.4 mg/kg
- Sediment (Marinewater); 0.24 mg/kg
- Soil; 1.1 mg/kg
- STP; >10 mg/l

DODECAMETHYLCYCLOHEXASILOXANE (CAS: 540-97-6)

DNEL

Workers - Inhalation; Long term systemic effects: 11 mg/m³
Workers - Inhalation; Short term local effects: 6.1 mg/m³
Workers - Inhalation; Long term local effects: 1.22 mg/m³
Consumer - Oral; Short term systemic effects: 1.7 mg/kg/day
Consumer - Inhalation; Short term local effects: 1.5 mg/m³
Consumer - Inhalation; Long term systemic effects: 2.7 mg/m³
Consumer - Oral; Long term systemic effects: 1.7 mg/kg/day
Consumer - Inhalation; Long term local effects: 0.3 mg/m³

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PNEC
- Sediment (Freshwater); 2.826 mg/kg
- Sediment (Marinewater); 0.282 mg/kg
- Soil; 3.336 mg/kg
- STP; >1.0 mg/l

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER ≤ 10 µm] (CAS: 13463-67-7)

Ingredient comments WEL = Workplace Exposure Limits

DNEL
Workers - Inhalation; Long term local effects: 10 mg/m³
Consumer - Oral; Long term systemic effects: 700 mg/kg/day

PNEC
- Fresh water; 0.184 mg/l
- marine water; 0.0184 mg/l
Intermittent release; 0.193 mg/l
- Sediment (Freshwater); 1000 mg/kg
- Sediment (Marinewater); 100 mg/kg
- Soil; 100 mg/kg
- STP; 100 mg/l

BIS(ALPHA,ALPHA-DIMETHYLBENZYL) PEROXIDE (CAS: 80-43-3)

DNEL
General population - Oral; Long term systemic effects: 0.4 mg/kg/day
Workers - Dermal; Long term systemic effects: 0.8 mg/kg/day
General population - Dermal; Long term systemic effects: 0.4 mg/kg/day
Workers - Inhalation; Long term systemic effects: 5.6 mg/m³
General population - Inhalation; Long term systemic effects: 1.4 mg/m³

PNEC
- Fresh water; 0.00234 mg/l
- marine water; 0.00023 mg/l
- Sediment (Freshwater); 2.24 mg/kg
- Soil; 0.447 mg/kg
- STP; 100 mg/l

OCTAMETHYLCYCLOTETRASILOXANE (CAS: 556-67-2)

DNEL
Workers - Inhalation; Long term systemic effects: 73 mg/m³
Workers - Inhalation; Long term local effects: 73 mg/m³
Consumer - Inhalation; Long term systemic effects: 13 mg/m³
Consumer - Oral; Long term systemic effects: 3.7 mg/kg/day
Consumer - Inhalation; Long term local effects: 13 mg/m³

PNEC
- Fresh water; 0.0015 mg/l
- marine water; 0.00015 mg/l
- Sediment (Freshwater); 3 mg/kg
- Sediment (Marinewater); 0.3 mg/kg
- Soil; 0.54 mg/kg
- STP; 10 mg/l

8.2. Exposure controls

Protective equipment

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Appropriate engineering controls	Provide adequate ventilation. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection	The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Neoprene. Nitrile rubber. Polyvinyl chloride (PVC). Thickness: > 0.35 mm To protect hands from chemicals, gloves should comply with European Standard EN374.
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Eye wash facilities and emergency shower must be available when handling this product.
Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m3. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. If ventilation is inadequate, suitable respiratory protection must be worn. Organic vapour filter. Combination filter, type A2/P2. EN 136/140/141/145/143/149

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Rubber
Colour	Grey.
Odour	Slight.
Odour threshold	No information available.
pH	Not applicable. Insoluble in water.
Melting point	No information available.
Pour Point	No information available.
Freezing Point	Not determined.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Evaporation factor	No information available.
Flammability (solid, gas)	Not classified.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.

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Vapour pressure	Not applicable.
Vapour density	No information available.
Relative density	1.10
Bulk density	No information available.
Solubility(ies)	Insoluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	Not applicable.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	No information available.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Refractive index	No information available.
Particle size	Not determined.
Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions The following materials may react with the product: Strong oxidising agents. Will decompose at temperatures exceeding 150°C. When heated, vapours/gases hazardous to health may be formed. Formaldehyde

10.4. Conditions to avoid

Conditions to avoid None known.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Formaldehyde Oxides of the following substances: Carbon. Silicon.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD_{50}) This product has low toxicity. May be a choking hazard. Not determined. Information given is applicable to the major ingredient. LD_{50} > 5000 mg/kg, Oral, Estimated value.

Acute toxicity - dermal

Notes (dermal LD_{50}) Not determined. Information given is applicable to the major ingredient. LD_{50} > 2000 mg/kg, Dermal, Estimated value.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) Not determined.

Skin corrosion/irritation

Skin corrosion/irritation Information given is applicable to the major ingredient. Not irritating. Dryness and/or cracking. Contact with hot product can cause serious thermal burns.

Serious eye damage/irritation

Serious eye damage/irritation Information given is applicable to the major ingredient. May cause temporary eye irritation. Redness.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation No information available.

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility Contains a substance/a group of substances which may damage fertility.

Reproductive toxicity - development May damage the unborn child.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Inhalation Dust in high concentrations may irritate the respiratory system.

Ingestion May cause discomfort if swallowed.

Skin contact Skin irritation should not occur when used as recommended. Dryness and/or cracking. Contact with hot product can cause serious thermal burns.

Eye contact Solid particles trapped behind the eyelid may cause abrasive damage.

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Acute and chronic health hazards May damage the unborn child.

Toxicological information on ingredients.

DECAMETHYLCYCLOPENTASILOXANE

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} > 24134 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50}) LD_{50} > 2000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} dust/mist mg/l) 8.67

Species Rat

Notes (inhalation LC_{50}) LC_{50} 8.67 mg/l, 4 hours, Dust/Mist Rat

ATE inhalation (dusts/mists mg/l) 8.67

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Not irritating.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation Not sensitising. Mouse

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties. Negative.

Carcinogenicity

Carcinogenicity Results from a 2 year repeated vapour inhalation exposure study to rats of decamethylcyclopentasiloxane (D5) indicate effects (uterine endometrial tumors) in female animals. This finding occurred at the highest exposure dose (160 ppm) only. Studies to date have not demonstrated if this effect occurs through a pathway that is relevant to humans.

Reproductive toxicity

Reproductive toxicity - fertility No evidence of reproductive toxicity in animal studies.

Reproductive toxicity - development No evidence of reproductive toxicity in animal studies.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

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STOT - repeated exposure	Based on available data the classification criteria are not met. Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard	Based on available data the classification criteria are not met.

Inhalation	Gas or vapour in high concentrations may irritate the respiratory system.
Ingestion	May cause discomfort if swallowed.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	Vapour or spray in the eyes may cause irritation and smarting.

DODECAMETHYLCYCLOHEXASILOXANE

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} > 2000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} > 2000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Not determined.

Skin corrosion/irritation

Skin corrosion/irritation	Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation	May cause temporary eye irritation.

Respiratory sensitisation

Respiratory sensitisation	No information available.

Skin sensitisation

Skin sensitisation	Not sensitising. Guinea pig

Germ cell mutagenicity

Genotoxicity - in vitro	This substance has no evidence of mutagenic properties. Negative.

Carcinogenicity

Carcinogenicity	No information available.

Reproductive toxicity

Reproductive toxicity - fertility	No information available.

Specific target organ toxicity - single exposure

STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Based on available data the classification criteria are not met. Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

XIAMETER EHX40MLC00 SILICONE RUBBER GREY

Aspiration hazard	Based on available data the classification criteria are not met.
Inhalation	Gas or vapour in high concentrations may irritate the respiratory system.
Ingestion	May cause discomfort if swallowed.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	May cause temporary eye irritation.

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER ≤ 10 µm]

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	10,000.0
Species	Rat
Notes (oral LD_{50})	LD_{50} > 10000 mg/kg, Oral, Rat
ATE oral (mg/kg)	10,000.0

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} 10000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC_{50})	LC_{50} > 6.82 mg/l, 4 hours, Dust/Mist Rat

Skin corrosion/irritation

Animal data	Not irritating. Rabbit OECD 404

Serious eye damage/irritation

Serious eye damage/irritation	Solid particles trapped behind the eyelid may cause abrasive damage.

Respiratory sensitisation

Respiratory sensitisation	No information available.

Skin sensitisation

Skin sensitisation	Not sensitising. Mouse Guinea pig

Germ cell mutagenicity

Genotoxicity - in vitro	Ames test Negative. OECD 471

Carcinogenicity

IARC carcinogenicity	Suspected of causing cancer by inhalation.

Reproductive toxicity

Reproductive toxicity - fertility	No information available.
Reproductive toxicity - development	No information available.

Specific target organ toxicity - single exposure

STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.

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Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Inhalation Dust may irritate the respiratory system. Coughing, chest tightness, feeling of chest pressure. May cause cancer by inhalation.

Ingestion May cause discomfort if swallowed.

Skin contact Prolonged contact may cause dryness of the skin.

Eye contact Solid particles trapped behind the eyelid may cause abrasive damage.

Route of exposure Inhalation

BIS(ALPHA,ALPHA-DIMETHYLBENZYL) PEROXIDE

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} >2000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50}) LD_{50} >2000 mg/kg, Dermal, Rat

Skin corrosion/irritation

Animal data Irritating to skin.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

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Aspiration hazard	Based on available data the classification criteria are not met.
Inhalation	Dust may irritate the respiratory system.
Ingestion	May cause discomfort if swallowed.
Skin contact	Irritating to skin.
Eye contact	Causes serious eye irritation.

OCTAMETHYLCYCLOTETRASILOXANE

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} > 4800 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} > 2400 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC_{50})	LC_{50} 36 mg/l, 4 hours, Dust/Mist Rat OECD 403

Skin corrosion/irritation

Skin corrosion/irritation	Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation	Not irritating.

Respiratory sensitisation

Respiratory sensitisation	No information available.

Skin sensitisation

Skin sensitisation	Not sensitising. Guinea pig

Germ cell mutagenicity

Genotoxicity - in vitro	This substance has no evidence of mutagenic properties. Negative.

Carcinogenicity

Carcinogenicity	Results from a 2 year repeated vapour inhalation exposure study to rats of octamethylcyclotetrasiloxane (D4) indicate effects (benign uterine adenomas) in the uterus of female animals. This finding occurred at the highest exposure dose (700 ppm) only. Studies to date have not demonstrated if these effects occur through pathways that are relevant to humans. Repeated exposure in rats to D4 resulted in protoporphyrin accumulation in the liver. Without knowledge of the specific mechanism leading to the protoporphyrin accumulation the relevance of this finding to humans is unknown.

Reproductive toxicity

Reproductive toxicity - fertility	Suspected of damaging fertility. Two-generation study - , Inhalation, Vapour, Rat
Reproductive toxicity - development	Teratogenicity: Based on available data the classification criteria are not met. Developmental toxicity: - : , Inhalation, Vapour, Rabbit

Specific target organ toxicity - single exposure

STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.

XIAMETER EHX40MLC00 SILICONE RUBBER GREY

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure. No adverse effects known., Dose level: <= 100 mg/kg, Oral, Rat No adverse effects known., Dose level: <= 1mg/l/6h/d , Inhalation, Vapour, No adverse effects known., Dose level: <= 200 mg/kg, Dermal,

Aspiration hazard

Aspiration hazard May be harmful if swallowed and enters airways.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system.

Ingestion May be harmful if swallowed and enters airways.

Skin contact Skin irritation should not occur when used as recommended.

Eye contact May cause temporary eye irritation.

Medical considerations Octamethylcyclotetrasiloxane administered to rats by inhalation at concentrations of 500 and 700 ppm resulted in statistically significant decreases in the number of pups born and the live litter size in both the first and second generations. Prolonged estrous cycles, and decreased mating and fertility indices were observed following 700 ppm exposure in the second generation only. There were also increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia). Results from a 2 year repeated vapor inhalation exposure study to rats of octamethylcyclotetrasiloxane (D4) indicate effects (benign uterine adenomas) in the uterus of female animals. This finding occurred at the highest exposure dose (700 ppm) only. Studies to date have not demonstrated if these effects occur through pathways that are relevant to humans. Based on the available information on its potential to cause harm to human health, Health Canada, in a 2008 screening assessment, has concluded that octamethylcyclotetrasiloxane is not entering the environment in a quantity or concentration or under conditions that constitute or may constitute a danger in Canada to human life or health http://www.ec.gc.ca/substances/ese/eng/challenge/batch2/batch2_556-67-2.cfm). Repeated exposure in rats to D4 resulted in what appears to be protoporphyrin accumulation in the liver. Without knowledge of the specific mechanism leading to the protoporphyrin accumulation the relevance of this finding to humans is unknown.

SECTION 12: Ecological information

Ecotoxicity The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

DECAMETHYLCYCLOPENTASILOXANE

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

DODECAMETHYLCYCLOHEXASILOXANE

Ecotoxicity The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

XIAMETER EHX40MLC00 SILICONE RUBBER GREY

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER ≤ 10 µm]

Ecotoxicity The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

BIS(ALPHA,ALPHA-DIMETHYLBENZYL) PEROXIDE

Ecotoxicity Toxic to aquatic life with long lasting effects.

OCTAMETHYLCYCLOTETRASILOXANE

Ecotoxicity Very toxic to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity Not considered toxic to fish.

Ecological information on ingredients.

DECAMETHYLCYCLOPENTASILOXANE

Toxicity Not toxic at limit of water solubility.

Acute aquatic toxicity

Acute toxicity - fish Not toxic at limit of water solubility.
LC_{50}, 96 hours: >16 µg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates Not toxic at limit of water solubility.
EC_{50}, 48 hours: >2.9 mg/l, Daphnia magna

Acute toxicity - aquatic plants Not toxic at limit of water solubility.
ErC50, 96 hours: > 0.012 mg/l, Pseudokirchneriella subcapitata
Not toxic at limit of water solubility.
NOEC, 96 hours: 0.012 mg/l, Pseudokirchneriella subcapitata

Acute toxicity - terrestrial NOEC, : >= 76 mg/kg, Eisenia Fetida (Earthworm)

Chronic aquatic toxicity

Chronic toxicity - fish early life stage Not toxic at limit of water solubility.
LC_{50}, 14 day: >16 mg/l, Oncorhynchus mykiss (Rainbow trout)
Not toxic at limit of water solubility.
NOEC, 45 day: >= 0.017 mg/l, Oncorhynchus mykiss (Rainbow trout)
Not toxic at limit of water solubility.
NOEC, 90 day: >= 0.014 mg/l, Oncorhynchus mykiss (Rainbow trout)

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 0.015 mg/l, Daphnia magna

DODECAMETHYLCYCLOHEXASILOXANE

Acute aquatic toxicity

Acute toxicity - aquatic plants ErC50, 72 hour: > 0.002 mg/l, Pseudokirchneriella subcapitata
Not toxic at limit of water solubility.

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOEC, 21 day: 0.0046 mg/l, Daphnia magna
Not toxic at limit of water solubility.

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TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER ≤ 10 µm]

Toxicity	Not considered toxic to fish.
Acute aquatic toxicity	
Acute toxicity - fish	NOEC, 48 hours: >1000 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: > 100 mg/l, Pseudokirchneriella subcapitata OECD 201
Acute toxicity - microorganisms	EC_{50}, 3 hours: > 1000 mg/l, OECD 209

BIS(ALPHA,ALPHA-DIMETHYLBENZYL) PEROXIDE

Acute aquatic toxicity	
Acute toxicity - aquatic invertebrates	EC_{50}, : > 0.388 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: >20 mg/l, Algae
Acute toxicity - microorganisms	EC_{50}, : >1000 mg/l, Activated sludge
Chronic aquatic toxicity	
Chronic toxicity - aquatic invertebrates	EC_{50}, 21 days: 0.117 mg/l, Daphnia magna

OCTAMETHYLCYCLOTETRASILOXANE

Toxicity	Very toxic to aquatic life with long lasting effects.
Acute aquatic toxicity	
Acute toxicity - fish	Not toxic at limit of water solubility. LC_{50}, 96 hour: > 0.022 mg/l, Oncorhynchus mykiss (Rainbow trout) Not toxic at limit of water solubility. LC_{50}, 14 days: > 0.0063 mg/l, Cyprinodon variegatus (Sheepshead minnow)
Acute toxicity - aquatic invertebrates	Not toxic at limit of water solubility. EC_{50}, 96 hours: > 0.0091 mg/l, Mysidopsis bahia (opossum shrimp) Not toxic at limit of water solubility. EC_{50}, 48 hours: > 0.015 mg/l, Daphnia magna
Acute toxicity - aquatic plants	Not toxic at limit of water solubility. ErC50, 96 hours: > 0.022 mg/l, Pseudokirchneriella subcapitata Not toxic at limit of water solubility. EC10, 96 hours: >= 0.022 mg/l, Pseudokirchneriella subcapitata
Chronic aquatic toxicity	
NOEC	0.001 < NOEC ≤ 0.01
Degradability	Non-rapidly degradable

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M factor (Chronic)	10
Chronic toxicity - fish early life stage	Not toxic at limit of water solubility. NOEC, 93 days: >= 0.0044 mg/l, Oncorhynchus mykiss (Rainbow trout)
Chronic toxicity - aquatic invertebrates	Not toxic at limit of water solubility. NOEC, 21 days: 0.0079 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

DECAMETHYLCYCLOPENTASILOXANE

Persistence and degradability	The product is expected to be slowly biodegradable.
Biodegradation	- Degradation 0.14%: 28 days (OECD 310)

DODECAMETHYLCYCLOHEXASILOXANE

Persistence and degradability	The product is not readily biodegradable.
Biodegradation	- Degradation 4.5%: 28 days OECD 301B

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER ≤ 10 µm]

Persistence and degradability	The product contains inorganic substances which are not biodegradable.

BIS(ALPHA,ALPHA-DIMETHYLBENZYL) PEROXIDE

Persistence and degradability	Inherently biodegradable.

OCTAMETHYLCYCLOTETRASILOXANE

Persistence and degradability	The product is expected to be slowly biodegradable.
Stability (hydrolysis)	pH7 - Half-life, DT_{50} : 3.9 day @ 25°C pH7 - Half-life, DT_{50} : 16.7 days @ 12°C pH4 - Degradation, DT_{50} : 0.075 days @ 25°C
Biodegradation	- Degradation 3.7%: 28 day OECD 310

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

Ecological information on ingredients.

XIAMETER EHX40MLC00 SILICONE RUBBER GREY

DECAMETHYLCYCLOPENTASILOXANE

Bioaccumulative potential BCF: > 500, Pimephales promelas (Fat-head Minnow)
BCF: 2010, Fish Estimated value.

Partition coefficient log Pow: 5.2

DODECAMETHYLCYCLOHEXASILOXANE

Bioaccumulative potential Bioaccumulation is unlikely.

Partition coefficient log Pow: 8.87

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER ≤ 10 µm]

Bioaccumulative potential The product is not bioaccumulating. BCF: 19-352, Oncorhynchus mykiss (Rainbow trout)

Partition coefficient No information available.

BIS(ALPHA,ALPHA-DIMETHYLBENZYL) PEROXIDE

Bioaccumulative potential BCF: 137 - 1470,

Partition coefficient log Pow: 5.6

OCTAMETHYLCYCLOTETRASILOXANE

Bioaccumulative potential Potentially bioaccumulating.
BCF: 12400, Pimephales promelas (Fat-head Minnow)

Partition coefficient log Pow: 6.49

12.4. Mobility in soil

Mobility Insoluble in water.

Ecological information on ingredients.

DECAMETHYLCYCLOPENTASILOXANE

Mobility Not considered mobile.

Adsorption/desorption coefficient - Koc: > 5000 @ 20°C Estimated value.

DODECAMETHYLCYCLOHEXASILOXANE

Mobility Mobile.

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER ≤ 10 µm]

Mobility The product is insoluble in water.

BIS(ALPHA,ALPHA-DIMETHYLBENZYL) PEROXIDE

Mobility The product is insoluble in water.

XIAMETER EHX40MLC00 SILICONE RUBBER GREY

OCTAMETHYLCYCLOTETRASILOXANE

Mobility	Not considered mobile.
Adsorption/desorption coefficient	- Koc: 16596 @ 20°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product contains a substance classified as vPvB. This product contains a substance classified as PBT.

Ecological information on ingredients.

DECAMETHYLCYCLOPENTASILOXANE

Results of PBT and vPvB assessment	Decamethylcyclopentasiloxane (D5) meets the current REACh Annex XIII criteria for vPvB. However, D5 does not behave similarly to known PBT/vPvB substances. The weight of scientific evidence from field studies shows that D5 is not biomagnifying in aquatic and terrestrial food webs. D5 in air will degrade by reaction with naturally occurring hydroxyl radicals in the atmosphere. Any D5 in air that does not degrade by reaction with hydroxyl radicals is not expected to deposit from the air to water, to land, or to living organisms. Based on an independent scientific panel of experts, the Canadian Minister of the Environment has concluded that "D5 is not entering the environment in a quantity or concentration or under conditions that have or may have an immediate or long-term harmful effect on the environment or its biological diversity, or that constitute or may constitute a danger to the environment on which life depends".

DODECAMETHYLCYCLOHEXASILOXANE

Results of PBT and vPvB assessment	Dodecamethyl cyclohexasiloxane (D6) meets the current REACh Annex XIII criteria for vPvB. However, D6 does not behave similarly to known PBT/vPvB substances. The weight of scientific evidence from field studies shows that D6 is not biomagnifying in aquatic and terrestrial food webs. D6 in air will degrade by reaction with naturally occurring hydroxyl radicals in the atmosphere. Any D6 in air that does not degrade by reaction with hydroxyl radicals is not expected to deposit from the air to water, to land, or to living organisms.

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER ≤ 10 µm]

Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.

BIS(ALPHA,ALPHA-DIMETHYLBENZYL) PEROXIDE

Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.

OCTAMETHYLCYCLOTETRASILOXANE

XIAMETER EHX40MLC00 SILICONE RUBBER GREY

Results of PBT and vPvB assessment This substance is classified as PBT. This substance is classified as vPvB. Octamethylcyclotetrasiloxane (D4) meets the current REACh Annex XIII criteria for PBT and vPvB. In Canada, D4 has been assessed and deemed to meet the PiT criteria. However, D4 does not behave similarly to known PBT/vPvB substances. The weight of scientific evidence from field studies shows that D4 is not biomagnifying in aquatic and terrestrial food webs. D4 in air will degrade by reaction with naturally occurring hydroxyl radicals in the atmosphere. Any D4 in air that does not degrade by reaction with hydroxyl radicals is not expected to deposit from the air to water, to land, or to living organisms.

12.6. Other adverse effects

Other adverse effects No information available.

Ecological information on ingredients.

DECAMETHYLCYCLOPENTASILOXANE

Other adverse effects Not determined.

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER ≤ 10 µm]

Other adverse effects Not determined.

BIS(ALPHA,ALPHA-DIMETHYLBENZYL) PEROXIDE

Other adverse effects Not determined.

OCTAMETHYLCYCLOTETRASILOXANE

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Do not puncture or incinerate, even when empty.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

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14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

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

EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015.
Restrictions (Annex XVII Regulation 1907/2006)	CAUTION - Chemical may be subject to REACH RESTRICTIONS - see Annex XVII. This product is/contains a substance that is included in REGULATION (EC) No 1907/2006 (REACH) ANNEX XVII - RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES. Entry number: 70 Entry number: 30

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

XIAMETER EHX40MLC00 SILICONE RUBBER GREY

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
Kow: Octanol-water partition coefficient.
LC_{50}: Lethal Concentration to 50 % of a test population.
LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose).
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
vPvB: Very Persistent and Very Bioaccumulative.
IARC: International Agency for Research on Cancer.
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
cATpE: Converted Acute Toxicity Point Estimate.
BCF: Bioconcentration Factor.
BOD: Biochemical Oxygen Demand.
EC_{50}: 50% of maximal Effective Concentration.
LOAEC: Lowest Observed Adverse Effect Concentration.
LOAEL: Lowest Observed Adverse Effect Level.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.
LOEC: Lowest Observed Effect Concentration.
DMEL: Derived Minimal Effect Level.
EL50: Exposure Limit 50
hPa: Hectopascal
LL50: Lethal Loading fifty
OECD: Organisation for Economic Co-operation and Development
POW: Octanol-water partition coefficient
SCBA: self-contained breathing apparatus
STP: Sewage Treatment Plant
VOC: Volatile Organic Compounds

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Key literature references and sources for data

Supplier's information.

Classification procedures according to Regulation (EC) 1272/2008

Repr. 1B - H360D: Calculation method.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date

18/05/2022

XIAMETER EHX40MLC00 SILICONE RUBBER GREY

Version number	3.000
Supersedes date	08/03/2022
SDS number	61071
SDS status	Approved.
Hazard statements in full	H226 Flammable liquid and vapour. H242 Heating may cause a fire. H315 Causes skin irritation. H319 Causes serious eye irritation. H351 Suspected of causing cancer by inhalation. H360D May damage the unborn child. H361f Suspected of damaging fertility. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
Signature	Lisa Bland