



Safety Data Sheet according to (EC) No 1907/2006 as amended

Page 1 of 18

UniBond KB AM Sealant White New

SDS No. : 459530

V004.0

Revision: 22.04.2025

printing date: 21.08.2025

Replaces version from: 20.03.2023

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

1.1. Product identifier

UniBond KB AM Sealant White New

UFI: KSEH-XW8C-H20F-6MVV

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

Intended use:

Joint sealant, silicone

1.3. Details of the supplier of the safety data sheet

Henkel Ltd

Adhesives

Wood Lane End

HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000

SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website www.mysds.henkel.com or www.henkel-adhesives.com.

1.4. Emergency telephone number

24 Hours Emergency Tel: +44 0 8701 906777 - For further general health & safety, technical and practical advice on this product, please call +44 (0) 1606 593933 or write to: Technical Services; Henkel Limited; Road 5; Winsford Industrial Estate; Winsford; Cheshire; CW7 3QY- Email: technical.services@henkel.co.uk

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

Skin sensitizer

Category 1

H317 May cause an allergic skin reaction.

Chronic hazards to the aquatic environment

Category 3

H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



Contains

4,5-Dichloro-2-octyl-2H-isothiazol-3-one

| | |
|--|---|
| Signal word: | Warning |
| Hazard statement: | H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects. |
| Precautionary statement: | P102 Keep out of reach of children. P101 If medical advice is needed, have product container or label at hand. |
| Precautionary statement: Prevention | P273 Avoid release to the environment. P280 Wear protective gloves. |
| Precautionary statement: Response | P302+P352 IF ON SKIN: Wash with plenty of soap and water. |
| Precautionary statement: Disposal | P501 Dispose of contents/container in accordance with national regulation. |

2.3. Other hazards

Evolves acetic acid during cure.
Self-classification according to Article 12(b) of (EU) 1272/2008.

Following substances are present in a concentration \geq the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

| | |
|--|----------|
| octamethylcyclotetrasiloxane 556-67-2 | PBT/vPvB |
|--|----------|

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Declaration of the ingredients according to CLP (EC) No 1272/2008:

| Hazardous components CAS-No. EC Number REACH-Reg. No. | Concentration | Classification | Specific Conc. Limits, M-factors and ATEs | Add. Information |
|--|--|---|---|------------------|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics 01-2119827000-58 | 10- < 20 % | Asp. Tox. 1, H304 | | |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics 01-2119457736-27 | 5- < 10 % | Asp. Tox. 1, H304 | | |
| Titanium dioxide 13463-67-7 236-675-5 01-2119489379-17 | 0,1- < 1 % | Carc. 2, Inhalation, H351 | | |
| octamethylcyclotetrasiloxane 556-67-2 209-136-7 01-2119529238-36 | 0,01- < 0,1 % (0,1 ‰- < 1 ‰) | Aquatic Chronic 1, H410 Repr. 2, H361f Flam. Liq. 3, H226 | M chronic = 10 | SVHC PBT/vPvB |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 264-843-8 | 0,0025- < 0,025 % (25 ppm- < 250 ppm) | Acute Tox. 4, Oral, H302 Aquatic Acute 1, H400 Acute Tox. 2, Inhalation, H330 Eye Dam. 1, H318 Aquatic Chronic 1, H410 Skin Sens. 1A, H317 Skin Corr. 1, H314 | Skin Sens. 1A; H317; C >= 0,0015 % Eye Irrit. 2; H319; C 0,025 - < 3 % Skin Irrit. 2; H315; C 0,025 - < 5 % ===== M acute = 100 M chronic = 100 ===== oral:ATE = 567 mg/kg inhalation:ATE = 0,16 mg/l;dust/mist | |

If no ATE values are displayed, please refer to LD/LC50 values in Section 11.
For full text of the H - statements and other abbreviations see section 16 "Other information".

SECTION 4: First aid measures**4.1. Description of first aid measures****General information:**

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing. If necessary, see a dermatologist.

Eye contact:

Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remain (intensive smarting, sensitivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

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

May cause an allergic skin reaction.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

carbon dioxide, foam, powder, water spray jet, fine water spray

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) can be released.

5.3. Advice for firefighters

Wear protective equipment.

Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Wear protective equipment.

Avoid contact with skin and eyes.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

Remove mechanically.

Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid skin and eye contact.

Ensure that workrooms are adequately ventilated.

Hygiene measures:

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly sealed.

Store in a cool, dry place.

Temperatures between + 5 °C and + 25 °C.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

7.3. Specific end use(s)

Joint sealant, silicone

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational Exposure Limits**Valid for
Great Britain

| Ingredient [Regulated substance] | ppm | mg/m ³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|--|-----|-------------------|-----------------------------------|--|-----------------|
| Silicon dioxide 112945-52-5 [SILICA, AMORPHOUS, INHALABLE DUST] | | 6 | Time Weighted Average (TWA): | | EH40 WEL |
| Silicon dioxide 112945-52-5 [SILICA, AMORPHOUS, RESPIRABLE DUST] | | 2,4 | Time Weighted Average (TWA): | | EH40 WEL |
| Silicon dioxide 112945-52-5 [Dust, respirable dust] | | 4 | Time Weighted Average (TWA): | | EH40 WEL |
| Silicon dioxide 112945-52-5 [Dust, inhalable dust] | | 10 | Time Weighted Average (TWA): | | EH40 WEL |
| Acetic acid 64-19-7 [ACETIC ACID] | 10 | 25 | Time Weighted Average (TWA): | Indicative | ECTLV |
| Acetic acid 64-19-7 [ACETIC ACID] | 20 | 50 | Short Term Exposure Limit (STEL): | Indicative | ECTLV |
| Acetic acid 64-19-7 [ACETIC ACID] | 10 | 25 | Time Weighted Average (TWA): | | EH40 WEL |
| Acetic acid 64-19-7 [ACETIC ACID] | 20 | 50 | Short Term Exposure Limit (STEL): | 15 minutes | EH40 WEL |
| Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE, RESPIRABLE] | | 4 | Time Weighted Average (TWA): | | EH40 WEL |
| Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE, TOTAL INHALABLE] | | 10 | Time Weighted Average (TWA): | | EH40 WEL |

Occupational Exposure LimitsValid for
Ireland

| Ingredient [Regulated substance] | ppm | mg/m ³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|--|-----|-------------------|------------------------------|--|-----------------|
| Silicon dioxide 112945-52-5 [SILICA, AMORPHOUS] | | 6 | Time Weighted Average (TWA): | | IR_OEL |
| Silicon dioxide 112945-52-5 [SILICA, AMORPHOUS] | | 2,4 | Time Weighted Average (TWA): | | IR_OEL |
| Silicon dioxide 112945-52-5 [DUSTS NON-SPECIFIC] | | 10 | Time Weighted Average (TWA): | | IR_OEL |
| Silicon dioxide 112945-52-5 [DUSTS NON-SPECIFIC] | | 4 | Time Weighted Average (TWA): | | IR_OEL |
| Acetic acid 64-19-7 [ACETIC ACID] | 10 | 25 | Time Weighted Average (TWA): | Indicative OELV | IR_OEL |
| Acetic acid 64-19-7 [ACETIC ACID] | 10 | 25 | Time Weighted Average (TWA): | Indicative | ECTLV |

| | | | | | |
|--|----|----|--------------------------------------|-------------------------------|--------|
| Acetic acid 64-19-7 [ACETIC ACID] | 20 | 50 | Short Term Exposure Limit (STEL): | Indicative | ECTLV |
| Acetic acid 64-19-7 [ACETIC ACID] | 20 | 50 | Short Term Exposure Limit (STEL): | 15 minutes Indicative OELV | IR_OEL |
| Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE] | | 10 | Time Weighted Average (TWA): | | IR_OEL |
| Titanium dioxide 13463-67-7 [TITANIUM DIOXIDE] | | 4 | Time Weighted Average (TWA): | | IR_OEL |

Predicted No-Effect Concentration (PNEC):

| Name on list | Environmental Compartment | Exposure period | Value | | | | Remarks |
|--|------------------------------------|--------------------|-----------------|-----|-----------|--------|---------|
| | | | mg/l | ppm | mg/kg | others | |
| Octamethylcyclotetrasiloxane 556-67-2 | aqua (freshwater) | | 0,0015 mg/l | | | | |
| Octamethylcyclotetrasiloxane 556-67-2 | aqua (marine water) | | 0,00015 mg/l | | | | |
| Octamethylcyclotetrasiloxane 556-67-2 | sewage treatment plant (STP) | | 10 mg/l | | | | |
| Octamethylcyclotetrasiloxane 556-67-2 | sediment (freshwater) | | | | 3 mg/kg | | |
| Octamethylcyclotetrasiloxane 556-67-2 | sediment (marine water) | | | | 0,3 mg/kg | | |
| Octamethylcyclotetrasiloxane 556-67-2 | oral | | | | 41 mg/kg | | |
| Octamethylcyclotetrasiloxane 556-67-2 | Soil | | | | 4,2 mg/kg | | |

Derived No-Effect Level (DNEL):

| Name on list | Application Area | Route of Exposure | Health Effect | Exposure Time | Value | Remarks |
|--|-----------------------|----------------------|---|------------------|-------------|---------|
| Titanium dioxide 13463-67-7 | Workers | inhalation | Long term exposure - local effects | | 0,17 mg/m3 | |
| Titanium dioxide 13463-67-7 | General population | inhalation | Long term exposure - local effects | | 0,028 mg/m3 | |
| Octamethylcyclotetrasiloxane 556-67-2 | Workers | inhalation | Long term exposure - systemic effects | | 73 mg/m3 | |
| Octamethylcyclotetrasiloxane 556-67-2 | Workers | inhalation | Long term exposure - local effects | | 73 mg/m3 | |
| Octamethylcyclotetrasiloxane 556-67-2 | General population | inhalation | Long term exposure - systemic effects | | 13 mg/m3 | |
| Octamethylcyclotetrasiloxane 556-67-2 | General population | inhalation | Long term exposure - local effects | | 13 mg/m3 | |
| Octamethylcyclotetrasiloxane 556-67-2 | General population | oral | Long term exposure - systemic effects | | 3,7 mg/kg | |

Biological Exposure Indices:

None

8.2. Exposure controls:

Respiratory protection:
Suitable breathing mask when there is inadequate ventilation.
Combination filter: ABEKP (EN 14387)
This recommendation should be matched to local conditions.

Hand protection:
In the case of longer contact protective gloves made from nitrile rubber are recommended according to EN 374.
material thickness > 0.1 mm
Perforation time > 30 minutes
In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:
Goggles which can be tightly sealed.
Protective eye equipment should conform to EN166.

Skin protection:
Suitable protective clothing
Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:
The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.
Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---|
| Delivery form | solid |
| Colour | Colourless / Colorless |
| Odor | of acetic acid |
| Physical state | solid |
| Melting point | < -50 °C (< -58 °F) Lower limit DSC |
| Solidification temperature | Not applicable, Product is a solid |
| Initial boiling point | Currently under determination |
| Flammability | The product is not flammable. |
| Explosive limits | Not applicable, Product is a solid |
| Flash point | Not applicable, Product is a solid |
| Auto-ignition temperature | Not applicable, Product is a solid |
| Decomposition temperature | Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use |
| pH | Not applicable, Product is non-soluble (in water). |
| Viscosity (kinematic) | Not applicable, Product is a solid |
| Solubility (qualitative) | Insoluble |
| (23 °C (73.4 °F); Solvent: Water) | |
| Partition coefficient: n-octanol/water | Not applicable |
| | Mixture |
| Vapour pressure | < 0,5 Pa |
| (20 °C (68 °F)) | |
| Density | 0,98 g/cm ³ no method / method unknown |
| (20 °C (68 °F)) | |
| Relative vapour density: | Not applicable, Product is a solid |
| Particle characteristics | Not applicable, mixture is a paste. |

9.2. Other information

Other information not applicable for this product

SECTION 10: Stability and reactivity

10.1. Reactivity

None if used for intended purpose.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

None if used for intended purpose.

10.5. Incompatible materials

None if used properly.

10.6. Hazardous decomposition products

Evolves acetic acid during cure.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

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

| Hazardous substances CAS-No. | Value type | Value | Species | Method |
|---|-------------------------------|---------------|---------|---|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | LD50 | > 5.000 mg/kg | rat | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | LD50 | > 5.000 mg/kg | rat | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) |
| Titanium dioxide 13463-67-7 | LD50 | > 5.000 mg/kg | rat | OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure) |
| octamethylcyclotetrasiloxane 556-67-2 | LD50 | > 4.800 mg/kg | rat | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | Acute toxicity estimate (ATE) | 567 mg/kg | | Expert judgement |

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

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

| Hazardous substances CAS-No. | Value type | Value | Species | Method |
|---|---------------|----------------|---------|--|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | LD50 | > 3.160 mg/kg | rabbit | equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity) |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | LD50 | > 3.160 mg/kg | rabbit | equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity) |
| Titanium dioxide 13463-67-7 | LD50 | > 10.000 mg/kg | rabbit | not specified |
| octamethylcyclotetrasilox ane 556-67-2 | LD50 | > 2.375 mg/kg | rat | equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity) |
| 4,5-Dichloro-2-octyl-2H- isothiazol-3-one 64359-81-5 | LD50 | > 652 mg/kg | rabbit | OECD Guideline 402 (Acute Dermal Toxicity) |

Acute inhalative toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

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

| Hazardous substances CAS-No. | Value type | Value | Test atmosphere | Exposure time | Species | Method |
|---|--|--------------|-----------------|------------------|---------|---|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | LC50 | > 5,266 mg/l | dust/mist | 4 h | rat | equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity) |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | LC50 | > 5,266 mg/l | dust/mist | 4 h | rat | equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity) |
| Titanium dioxide 13463-67-7 | LC50 | > 6,82 mg/l | dust | 4 h | rat | not specified |
| octamethylcyclotetrasilox ane 556-67-2 | LC50 | 36 mg/l | dust/mist | 4 h | rat | OECD Guideline 403 (Acute Inhalation Toxicity) |
| 4,5-Dichloro-2-octyl-2H- isothiazol-3-one 64359-81-5 | Acute toxicity estimate (ATE) | 0,16 mg/l | dust/mist | 4 h | | Expert judgement |

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

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

| Hazardous substances CAS-No. | Result | Exposure time | Species | Method |
|---|----------------|------------------|---------|--|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | not irritating | 4 h | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | not irritating | 4 h | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| Titanium dioxide 13463-67-7 | not irritating | 4 h | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| octamethylcyclotetrasilox ane 556-67-2 | not irritating | | rabbit | equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

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

| Hazardous substances CAS-No. | Result | Exposure time | Species | Method |
|---|----------------|------------------|---------|--|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | not irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | not irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Titanium dioxide 13463-67-7 | not irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| octamethylcyclotetrasiloxane 556-67-2 | not irritating | | rabbit | equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Test type | Species | Method |
|---|-----------------|---------------------------------------|------------|--|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | not sensitising | Guinea pig maximisation test | guinea pig | equivalent or similar to OECD Guideline 406 (Skin Sensitisation) |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | not sensitising | Guinea pig maximisation test | guinea pig | equivalent or similar to OECD Guideline 406 (Skin Sensitisation) |
| Titanium dioxide 13463-67-7 | not sensitising | Mouse local lymphnode assay (LLNA) | mouse | equivalent or similar to OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) |
| Titanium dioxide 13463-67-7 | not sensitising | Buehler test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |
| octamethylcyclotetrasiloxane 556-67-2 | not sensitising | Guinea pig maximisation test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

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

| Hazardous substances CAS-No. | Result | Type of study / Route of administration | Metabolic activation / Exposure time | Species | Method |
|--|----------|--|--|---------|--|
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | negative | mammalian cell gene mutation assay | with and without | | equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | negative | in vitro mammalian chromosome aberration test | with and without | | equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Titanium dioxide 13463-67-7 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Titanium dioxide 13463-67-7 | negative | in vitro mammalian chromosome aberration test | with and without | | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| Titanium dioxide 13463-67-7 | negative | mammalian cell gene mutation assay | with and without | | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| Titanium dioxide 13463-67-7 | negative | in vitro mammalian cell micronucleus test | without | | equivalent or similar to OECD Guideline 487 (In vitro Mammalian Cell Micronucleus Test) |
| octamethylcyclotetrasilox ane 556-67-2 | negative | bacterial gene mutation assay | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| octamethylcyclotetrasilox ane 556-67-2 | negative | in vitro mammalian chromosome aberration test | with and without | | equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| octamethylcyclotetrasilox ane 556-67-2 | negative | mammalian cell gene mutation assay | with and without | | equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |

Carcinogenicity

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

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

| Hazardous components CAS-No. | Result | Route of application | Exposure time / Frequency of treatment | Species | Sex | Method |
|---------------------------------|------------------|-------------------------|---|---------|-------------|---------------|
| Titanium dioxide 13463-67-7 | not carcinogenic | oral: feed | 103 w daily | rat | male/female | not specified |

Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

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

| Hazardous substances CAS-No. | Result / Value | Test type | Route of application | Species | Method |
|---|---|-----------------------------|-------------------------|---------|--|
| Titanium dioxide 13463-67-7 | NOAEL P \geq 1.000 mg/kg NOAEL F1 \geq 1.000 mg/kg | one- generation study | oral: feed | rat | OECD Guideline 443 (Extended One-Generation Reproductive Toxicity Study) |
| octamethylcyclotetrasilox- ane 556-67-2 | NOAEL P 300 ppm NOAEL F1 300 ppm | two- generation study | inhalation | rat | equivalent or similar to OECD Guideline 416 (Two- Generation Reproduction Toxicity Study) |

STOT-single exposure:

No data available.

STOT-repeated exposure:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

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

| Hazardous substances CAS-No. | Result / Value | Route of application | Exposure time / Frequency of treatment | Species | Method |
|---|---------------------|-------------------------|--|---------|--|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | NOAEL 5.000 mg/kg | oral: gavage | 13 weeks daily | rat | equivalent or similar to OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | NOAEL 5.000 mg/kg | oral: gavage | 13 weeks daily | rat | equivalent or similar to OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| Titanium dioxide 13463-67-7 | NOAEL > 1.000 mg/kg | oral: gavage | 92 d daily | rat | OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| octamethylcyclotetrasilox- ane 556-67-2 | LOAEL 35 ppm | inhalation | 6 h nose only inhalation 5 days/week for 13 weeks | rat | OECD Guideline 412 (Repeated Dose Inhalation Toxicity: 28/14-Day) |
| octamethylcyclotetrasilox- ane 556-67-2 | NOAEL 960 mg/kg | dermal | 3 w 5 d/w | rabbit | equivalent or similar to OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study) |

Aspiration hazard:

No data available.

11.2 Information on other hazards

not applicable

SECTION 12: Ecological information**General ecological information:**

Do not empty into drains, soil or bodies of water.

Self-classification according to Article 12(b) of (EU) 1272/2008.

12.1. Toxicity**Toxicity (Fish):**

LC50 (fish) > 100 mg/l (expert judgement)

NOEC (fish) > 1 mg/l (expert judgement)

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--|---------------|-----------------------------|---------------|---|--|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | LC50 | > 1.028 mg/l | 96 h | Scophthalmus maximus | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | LC50 | > 1.028 mg/l | 96 h | not specified | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Titanium dioxide 13463-67-7 | LC50 | Toxicity > Water solubility | 48 h | Leuciscus idus | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| octamethylcyclotetrasiloxane 556-67-2 | NOEC | 0,0044 mg/l | 93 d | Salmo gairdneri (new name: Oncorhynchus mykiss) | EPA OPPTS 797.1600 (Fish Early Life Stage Toxicity Test) |
| octamethylcyclotetrasiloxane 556-67-2 | LC50 | Toxicity > Water solubility | 96 h | Oncorhynchus mykiss | EPA OTS 797.1400 (Fish Acute Toxicity Test) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | NOEC | 0,00056 mg/l | 97 d | Oncorhynchus mykiss | OECD Guideline 210 (fish early life stage toxicity test) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | LC50 | 0,0027 mg/l | 96 h | Oncorhynchus mykiss | OECD Guideline 203 (Fish, Acute Toxicity Test) |

Toxicity (aquatic invertebrates):

EC50 (dafnia) >100 mg/l (OECD 211)

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--|---------------|-----------------------------|---------------|---------------|--|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | LL50 | > 3.193 mg/l | 48 h | Acartia tonsa | other guideline: |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | EC50 | > 3.193 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Titanium dioxide 13463-67-7 | EC50 | Toxicity > Water solubility | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| octamethylcyclotetrasiloxane 556-67-2 | EC50 | Toxicity > Water solubility | 48 h | Daphnia magna | EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | EC50 | 0,0057 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |

Chronic toxicity (aquatic invertebrates):

NOEC (dafnia) > 1 mg/l (OECD 211)

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--|---------------|-----------------------------|---------------|---------------|--|
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | NOELR | 5 mg/l | 21 d | Daphnia magna | OECD Guideline 202 (Daphnia sp. Chronic Immobilisation Test) |
| Titanium dioxide 13463-67-7 | NOEC | Toxicity > Water solubility | 21 d | Daphnia magna | OECD Guideline 202 (Daphnia sp. Chronic Immobilisation Test) |
| octamethylcyclotetrasiloxane 556-67-2 | NOEC | 7.9 µg/l | 21 d | Daphnia magna | EPA OTS 797.1330 (Daphnid Chronic Toxicity Test) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | NOEC | 0,00063 mg/l | 21 d | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |

Toxicity (Algae):

EC50 (Algae) > 100 mg/l (OECD 201)

NOEC (Algae) > 1 mg/l (OECD 201)

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--|---------------|-----------------------------|---------------|---|---|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | EL50 | > 10.000 mg/l | 72 h | Skeletonema costatum | ISO 10253 (Water quality) |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | EC50 | > 3.198 mg/l | 72 h | Skeletonema costatum | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Titanium dioxide 13463-67-7 | EC50 | Toxicity > Water solubility | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Titanium dioxide 13463-67-7 | NOEC | Toxicity > Water solubility | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| octamethylcyclotetrasiloxane 556-67-2 | EC50 | Toxicity > Water solubility | 96 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | EPA OTS 797.1050 (Algal Toxicity, Tiers I and II) |
| octamethylcyclotetrasiloxane 556-67-2 | EC10 | 0,022 mg/l | 96 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | EPA OTS 797.1050 (Algal Toxicity, Tiers I and II) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | EC50 | 0,077 mg/l | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |

Toxicity (microorganisms):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--|---------------|-----------------------------|---------------|---|--|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | EC50 | > 100 mg/l | 3 h | activated sludge of a predominantly domestic sewage | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| Titanium dioxide 13463-67-7 | EC0 | Toxicity > Water solubility | 24 h | Pseudomonas fluorescens | DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test) |
| octamethylcyclotetrasiloxane 556-67-2 | EC50 | Toxicity > Water solubility | 3 h | activated sludge | ISO 8192 (Test for Inhibition of Oxygen Consumption by Activated Sludge) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | EC50 | 5,7 mg/l | 3 h | activated sludge | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |

12.2. Persistence and degradability

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Test type | Degradability | Exposure time | Method |
|--|----------------------------|---------------|---------------|------------------|--|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | readily biodegradable | aerobic | 74 % | 28 d | OECD Guideline 306 (Biodegradability in Seawater) |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | readily biodegradable | aerobic | 74 % | 28 d | OECD 301 A - F |
| octamethylcyclotetrasiloxane 556-67-2 | not readily biodegradable. | aerobic | 3,7 % | 29 d | OECD Guideline 310 (Ready Biodegradability CO ₂ in Sealed Vessels (Headspace Test)) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | not readily biodegradable. | not specified | > 0 - < 60 % | 28 d | OECD 301 A - F |

12.3. Bioaccumulative potential

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | Bioconcentration factor (BCF) | Exposure time | Temperature | Species | Method |
|--|-------------------------------|---------------|-------------|---------------------|---|
| octamethylcyclotetrasiloxane 556-67-2 | 12.400 | 28 d | | Pimephales promelas | EPA OTS 797.1520 (Fish Bioconcentration Test-Rainbow Trout) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | < 13 | | | | not specified |

12.4. Mobility in soil

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | LogPow | Temperature | Method |
|--|--------|-------------|------------------|
| octamethylcyclotetrasiloxane 556-67-2 | 6,98 | 21,7 °C | other guideline: |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | 2,8 | | not specified |

12.5. Results of PBT and vPvB assessment

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances CAS-No. | PBT / vPvB |
|--|---|
| Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Titanium dioxide 13463-67-7 | According to Annex XIII to Regulation (EC) No 1907/2006, a PBT and vPvB assessment shall not be conducted for inorganic substances. |
| octamethylcyclotetrasiloxane 556-67-2 | Fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

12.6. Endocrine disrupting properties

not applicable

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

080409

SECTION 14: Transport information

14.1. UN number or ID number

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.2. UN proper shipping name

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.3. Transport hazard class(es)

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.4. Packing group

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.5. Environmental hazards

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.6. Special precautions for user

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

No information available:

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

Ozone Depleting Substance (ODS) (Regulation (EC) No 2024/590):

Not applicable

Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):

Not applicable

Persistent organic pollutants (Regulation (EU) 2019/1021):

Not applicable

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H351 Suspected of causing cancer.
H361f Suspected of damaging fertility.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

| | |
|-------------|---|
| ED: | Substance identified as having endocrine disrupting properties |
| EU OEL: | Substance with a Union workplace exposure limit |
| EU EXPLD 1: | Substance listed in Annex I, Reg (EC) No. 2019/1148 |
| EU EXPLD 2 | Substance listed in Annex II, Reg (EC) No. 2019/1148 |
| SVHC: | Substance of very high concern (REACH Candidate List) |
| PBT: | Substance fulfilling persistent, bioaccumulative and toxic criteria |
| PBT/vPvB: | Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative criteria |
| vPvB: | Substance fulfilling very persistent and very bioaccumulative criteria |

Further information:

This Safety Data Sheet has been produced for sales from Henkel to parties purchasing from Henkel, is based on Regulation (EC) No 1907/2006 and provides information in accordance with applicable regulations of the European Union only. In that respect, no statement, warranty or representation of any kind is given as to compliance with any statutory laws or regulations of any other jurisdiction or territory other than the European Union. When exporting to territories other than the European Union, please consult with the respective Safety Data Sheet of the concerned territory to ensure compliance or liaise with Henkel's Product Safety and Regulatory Affairs Department (SDSinfo.Adhesive@henkel.com) prior to export to other territories than the European Union.

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Dear Customer,

Henkel is committed to creating a sustainable future by promoting opportunities along the entire value chain. If you would like to contribute by switching from a paper to the electronic version of SDS, please contact the local Customer Service representative. We recommend to use a non-personal email address (e.g. SDS@your_company.com).

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.