



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

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UniBond 10T, all colours

SDS No. : 592414
V001.0

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

1.1. Product identifier

UniBond 10T, all colours

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
Wood Lane End
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000
Fax-no.: +44 (1442) 278071

ua-productsafety.uk@uk.henkel.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):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.2. Label elements

Label elements (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

Supplemental information Contains 3-Aminopropyltriethoxysilane. May produce an allergic reaction.

Precautionary statement: P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P262 Do not get in eyes, on skin, or on clothing.
P271 Use only outdoors or in a well-ventilated area.

2.3. Other hazards

Evolves methanol during cure.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****General chemical description:**

1-Component silicone joint sealant

Base substances of preparation:

Polydimethyl siloxane

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

| Hazardous components CAS-No. | EC Number REACH-Reg No. | content | Classification |
|--|-------------------------------|------------|---|
| Trimethoxyvinylsilane 2768-02-7 | 220-449-8 01-2119513215-52 | 1- < 3 % | Flam. Liq. 3 H226 Acute Tox. 4; Inhalation H332 |
| 3-Aminopropyltriethoxysilane 919-30-2 | 213-048-4 01-2119480479-24 | 0,1- < 1 % | Skin Sens. 1 H317 Skin Corr. 1B H314 Acute Tox. 4; Oral H302 |

For full text of the H - statements and other abbreviations see section 16 "Other information".**Substances without classification may have community workplace exposure limits available.****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.

Eye contact:

Rinse immediately with plenty of running water, seek medical advice if necessary.

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

No data available.

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.

Avoid contact with skin and eyes.

Wear protective equipment.

Danger of slipping on spilled product.

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

Ensure that workrooms are adequately ventilated.

Avoid skin and eye contact.

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 |
|-----------------------------------|-----|-------------------|-----------------------------------|--|-----------------|
| Methanol 67-56-1 [METHANOL] | 250 | 333 | Short Term Exposure Limit (STEL): | | EH40 WEL |
| Methanol 67-56-1 [METHANOL] | | | Skin designation: | Can be absorbed through the skin. | EH40 WEL |
| Methanol 67-56-1 [METHANOL] | 200 | 266 | Time Weighted Average (TWA): | | EH40 WEL |
| Methanol 67-56-1 [METHANOL] | 200 | 260 | Time Weighted Average (TWA): | Indicative | ECLTV |

Occupational Exposure LimitsValid for
Ireland

| Ingredient [Regulated substance] | ppm | mg/m ³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|-----------------------------------|-----|-------------------|------------------------------|--|-----------------|
| Methanol 67-56-1 [METHANOL] | 200 | 260 | Time Weighted Average (TWA): | Indicative OELV | IR_OEL |
| Methanol 67-56-1 [METHANOL] | | | Skin designation: | Can be absorbed through the skin. | IR_OEL |
| Methanol 67-56-1 [METHANOL] | 200 | 260 | Time Weighted Average (TWA): | Indicative | ECLTV |

Predicted No-Effect Concentration (PNEC):

| Name on list | Environmental Compartment | Exposure period | Value | | | | Remarks |
|--|------------------------------------|-----------------|------------|-----|----------------|--------|---------|
| | | | mg/l | ppm | mg/kg | others | |
| Trimethoxyvinylsilane 2768-02-7 | aqua (freshwater) | | 0,36 mg/l | | | | |
| Trimethoxyvinylsilane 2768-02-7 | aqua (marine water) | | 0,036 mg/l | | | | |
| Trimethoxyvinylsilane 2768-02-7 | aqua (intermittent releases) | | 2,4 mg/l | | | | |
| Trimethoxyvinylsilane 2768-02-7 | sewage treatment plant (STP) | | 6,6 mg/l | | | | |
| Trimethoxyvinylsilane 2768-02-7 | sediment (freshwater) | | | | 1,3 mg/kg | | |
| Trimethoxyvinylsilane 2768-02-7 | sediment (marine water) | | | | 0,13 mg/kg | | |
| Trimethoxyvinylsilane 2768-02-7 | soil | | | | 0,055 mg/kg | | |
| 3-Aminopropyltriethoxysilane 919-30-2 | aqua (freshwater) | | 0,33 mg/l | | | | |
| 3-Aminopropyltriethoxysilane 919-30-2 | aqua (marine water) | | 0,033 mg/l | | | | |
| 3-Aminopropyltriethoxysilane 919-30-2 | aqua (intermittent releases) | | 3,3 mg/l | | | | |
| 3-Aminopropyltriethoxysilane 919-30-2 | soil | | | | 0,05 mg/kg | | |
| 3-Aminopropyltriethoxysilane 919-30-2 | sewage treatment plant (STP) | | 13 mg/l | | | | |
| 3-Aminopropyltriethoxysilane 919-30-2 | sediment (freshwater) | | | | 1,2 mg/kg | | |
| 3-Aminopropyltriethoxysilane 919-30-2 | sediment (marine water) | | | | 0,12 mg/kg | | |

Derived No-Effect Level (DNEL):

| Name on list | Application Area | Route of Exposure | Health Effect | Exposure Time | Value | Remarks |
|--|--------------------|-------------------|--|---------------|------------------------|---------|
| Trimethoxyvinylsilane 2768-02-7 | Workers | dermal | Long term exposure - systemic effects | | 0,2 mg/kg | |
| Trimethoxyvinylsilane 2768-02-7 | Workers | Inhalation | Long term exposure - systemic effects | | 2,6 mg/m ³ | |
| Trimethoxyvinylsilane 2768-02-7 | General population | dermal | Acute/short term exposure - systemic effects | | 0,1 mg/kg | |
| Trimethoxyvinylsilane 2768-02-7 | General population | Inhalation | Acute/short term exposure - systemic effects | | 0,7 mg/m ³ | |
| Trimethoxyvinylsilane 2768-02-7 | General population | dermal | Long term exposure - systemic effects | | 0,1 mg/kg | |
| Trimethoxyvinylsilane 2768-02-7 | General population | Inhalation | Long term exposure - systemic effects | | 0,7 mg/m ³ | |
| Trimethoxyvinylsilane 2768-02-7 | General population | oral | Long term exposure - systemic effects | | 0,1 mg/kg | |
| Trimethoxyvinylsilane 2768-02-7 | Workers | dermal | Acute/short term exposure - systemic effects | | 0,2 mg/kg | |
| Trimethoxyvinylsilane 2768-02-7 | Workers | Inhalation | Acute/short term exposure - systemic effects | | 2,6 mg/m ³ | |
| 3-Aminopropyltriethoxysilane 919-30-2 | Workers | dermal | Acute/short term exposure - systemic effects | | 8,3 mg/kg | |
| 3-Aminopropyltriethoxysilane 919-30-2 | Workers | Inhalation | Acute/short term exposure - systemic effects | | 59 mg/m ³ | |
| 3-Aminopropyltriethoxysilane 919-30-2 | Workers | dermal | Long term exposure - systemic effects | | 8,3 mg/kg | |
| 3-Aminopropyltriethoxysilane 919-30-2 | Workers | Inhalation | Long term exposure - systemic effects | | 59 mg/m ³ | |
| 3-Aminopropyltriethoxysilane 919-30-2 | General population | oral | Acute/short term exposure - systemic effects | | 5 mg/kg | |
| 3-Aminopropyltriethoxysilane 919-30-2 | General population | dermal | Acute/short term exposure - systemic effects | | 5 mg/kg | |
| 3-Aminopropyltriethoxysilane 919-30-2 | General population | Inhalation | Acute/short term exposure - systemic effects | | 17,4 mg/m ³ | |
| 3-Aminopropyltriethoxysilane 919-30-2 | General population | oral | Long term exposure - systemic effects | | 5 mg/kg | |
| 3-Aminopropyltriethoxysilane 919-30-2 | General population | dermal | Long term exposure - systemic effects | | 5 mg/kg | |
| 3-Aminopropyltriethoxysilane 919-30-2 | General population | Inhalation | Long term exposure - systemic effects | | 17 mg/m ³ | |

Biological Exposure Indices:

None

8.2. Exposure controls:

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

Filter : AX (EN 14387)

This recommendation should be matched to local conditions.

Hand protection:

Recommended are gloves made from Nitril rubber (Material thickness >0,1 mm, Perforation time < 30s).Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

Eye protection:

Protective goggles

Skin protection:

Suitable protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| Appearance | liquid pasty varied, according to coloration |
| Odor | typical |
| Odour threshold | No data available / Not applicable |
| pH | No data available / Not applicable |
| Initial boiling point | No data available / Not applicable |
| Flash point | No data available / Not applicable |
| Decomposition temperature | No data available / Not applicable |
| Vapour pressure | No data available / Not applicable |
| Density (20 °C (68 °F)) | 1,01 g/cm ³ |
| Bulk density | No data available / Not applicable |
| Viscosity | No data available / Not applicable |
| Viscosity (kinematic) | No data available / Not applicable |
| Explosive properties | No data available / Not applicable |
| Solubility (qualitative) (23 °C (73.4 °F); Solvent: Water) | Insoluble |
| Solidification temperature | No data available / Not applicable |
| Melting point | No data available / Not applicable |
| Flammability | No data available / Not applicable |
| Auto-ignition temperature | No data available / Not applicable |
| Explosive limits | No data available / Not applicable |
| Partition coefficient: n-octanol/water | No data available / Not applicable |
| Evaporation rate | No data available / Not applicable |
| Vapor density | No data available / Not applicable |
| Oxidising properties | No data available / Not applicable |

9.2. Other information

No data available / Not applicable

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 methanol during cure.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****General toxicological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Sensitizing:

An allergic reaction cannot be excluded after repeated skin contact.

Acute oral toxicity:

| Hazardous components CAS-No. | Value type | Value | Route of application | Exposure time | Species | Method |
|--|------------|-------------|----------------------|---------------|---------|--|
| Trimethoxyvinylsilane 2768-02-7 | LD50 | 7.120 mg/kg | oral | | rat | OECD Guideline 401 (Acute Oral Toxicity) |
| 3-Aminopropyltriethoxysilane 919-30-2 | LD50 | 1.457 mg/kg | oral | | rat | OECD Guideline 401 (Acute Oral Toxicity) |

Acute inhalative toxicity:

| Hazardous components CAS-No. | Value type | Value | Route of application | Exposure time | Species | Method |
|------------------------------------|------------|-----------|----------------------|---------------|---------|--|
| Trimethoxyvinylsilane 2768-02-7 | LC50 | 16,8 mg/l | Vapor. | 4 h | rat | OECD Guideline 403 (Acute Inhalation Toxicity) |

Acute dermal toxicity:

| Hazardous components CAS-No. | Value type | Value | Route of application | Exposure time | Species | Method |
|--|------------|-------------|----------------------|---------------|---------|--|
| Trimethoxyvinylsilane 2768-02-7 | LD50 | 3.540 mg/kg | dermal | | rabbit | not specified |
| 3-Aminopropyltriethoxysilane 919-30-2 | LD50 | 4.076 mg/kg | dermal | | rabbit | OECD Guideline 402 (Acute Dermal Toxicity) |

Skin corrosion/irritation:

| Hazardous components CAS-No. | Result | Exposure time | Species | Method |
|--|-----------|---------------|---------|-------------|
| 3-Aminopropyltriethoxysilane 919-30-2 | corrosive | 4 h | rabbit | Draize Test |

Serious eye damage/irritation:

| Hazardous components CAS-No. | Result | Exposure time | Species | Method |
|--|-------------------|---------------|---------|---------------|
| 3-Aminopropyltriethoxysilane 919-30-2 | highly irritating | | rabbit | not specified |

Respiratory or skin sensitization:

| Hazardous components CAS-No. | Result | Test type | Species | Method |
|--|-------------|--------------|------------|---|
| 3-Aminopropyltriethoxysilane 919-30-2 | sensitising | Buehler test | guinea pig | OECD Guideline 406 (Skin Sensitisation) |

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

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

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

12.1. Toxicity

| Hazardous components CAS-No. | Value type | Value | Acute Toxicity Study | Exposure time | Species | Method |
|--|------------|--------------|----------------------|---------------|---|--|
| Trimethoxyvinylsilane 2768-02-7 | LC50 | 191 mg/l | Fish | 96 h | Oncorhynchus mykiss | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Trimethoxyvinylsilane 2768-02-7 | EC50 | > 100 mg/l | Daphnia | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Trimethoxyvinylsilane 2768-02-7 | EC50 | > 100 mg/l | Algae | 72 h | | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Trimethoxyvinylsilane 2768-02-7 | EC 50 | > 2.500 mg/l | Bacteria | 3 h | | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| 3-Aminopropyltriethoxysilane 919-30-2 | LC50 | > 934 mg/l | Fish | 96 h | Brachydanio rerio (new name: Danio rerio) | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| 3-Aminopropyltriethoxysilane 919-30-2 | EC50 | 331 mg/l | Daphnia | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| 3-Aminopropyltriethoxysilane 919-30-2 | EC50 | 603 mg/l | Algae | 72 h | Scenedesmus subspicatus (new name: Desmodesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| | NOEC | 1,3 mg/l | Algae | 72 h | Scenedesmus subspicatus (new name: Desmodesmus subspicatus) | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| 3-Aminopropyltriethoxysilane 919-30-2 | EC10 | 13 mg/l | Bacteria | 5 h | | not specified |

12.2. Persistence and degradability

| Hazardous components CAS-No. | Result | Route of application | Degradability | Method |
|--|--------|----------------------|---------------|--|
| 3-Aminopropyltriethoxysilane 919-30-2 | | aerobic | 67 % | OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away Test) |

12.3. Bioaccumulative potential / 12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

| Hazardous components CAS-No. | PBT/vPvB |
|---------------------------------|----------|
| | |

| | |
|--|---|
| Trimethoxyvinylsilane 2768-02-7 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| 3-Aminopropyltriethoxysilane 919-30-2 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

12.6. 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

08 04 10 Waste adhesives and sealants other than those mentioned in 08 04 09.

SECTION 14: Transport information**14.1. UN 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. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

VOC content 0,00 %
(VOCV 814.018 VOC regulation
CH)

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 vapor.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

Further information:

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.

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.