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



SDS No. : 558615
V001.1

Unibond Anti-Mould Transparent

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

**1.1. Product identifier**
Unibond Anti-Mould Transparent

**1.2. Relevant identified uses of the substance or mixture and uses advised against**
Intended use:
Joint sealant, silicone
ua-productsafety.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 4,5-Dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction. |
| **Precautionary statement:** | P102 Keep out of reach of children.<br>P101 If medical advice is needed, have product container or label at hand.<br>P262 Do not get in eyes, on skin, or on clothing.<br>P271 Use only outdoors or in a well-ventilated area. |

**2.3. Other hazards**
Evolves acetic acid 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, acetate-curing (acidic)
**Base substances of preparation:**
Polydimethyl siloxane
Inorganic fillers

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

| Hazardous components<br>CAS-No. | EC Number<br>REACH-Reg No. | content | Classification |
|---|---|---|---|
| Distillates (Petroleum) hydrotreated middle; Gasoil - unspecified<br>64742-46-7 | 265-148-2<br>01-2119552497-29<br>01-2119827000-58 | 10- 30 % | Asp. Tox. 1<br>H304 |
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene<br>64742-47-8 | 265-149-8<br>01-2119453414-43<br>01-2119456377-30<br>01-2119456620-43 | 5- < 10 % | Asp. Tox. 1<br>H304 |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one<br>64359-81-5 | 264-843-8 | 50- < 250 PPM | Acute Tox. 4; Oral<br>H302<br>Skin Corr. 1C<br>H314<br>Skin Sens. 1; Dermal<br>H317<br>Acute Tox. 2; Inhalation<br>H330<br>Aquatic Acute 1<br>H400<br>Aquatic Chronic 1<br>H410<br>M factor (Acute Aquat Tox): 100 M factor (Chron Aquat Tox): 10 |

**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.

**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 adequate ventilation.

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**
Store in sealed original container.
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/m³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|---|---|---|---|---|---|
| Silicon dioxide<br>112945-52-5<br>[SILICA, AMORPHOUS, INHALABLE DUST] | | 6 | Time Weighted Average (TWA): | | EH40 WEL |
| Silicon dioxide<br>112945-52-5<br>[SILICA, AMORPHOUS, RESPIRABLE DUST] | | 2,4 | Time Weighted Average (TWA): | | EH40 WEL |
| Acetic acid<br>64-19-7<br>[ACETIC ACID] | 10 | 25 | Time Weighted Average (TWA): | Indicative | ECTLV |

**Occupational Exposure Limits**

Valid for
Ireland

| Ingredient [Regulated substance] | ppm | mg/m³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|---|---|---|---|---|---|
| Distillates (petroleum), hydrotreated middle<br>64742-46-7<br>[NAPHTA (RUBBER SOLVENT)] | | | | Included in the regulation but with no data values. See regulation for further details | IR_OEL |
| Distillates (petroleum), hydrotreated middle<br>64742-46-7<br>[MINERAL OIL, PURE, HIGHLY & SEVERELY REFINED, INHALABLE FRACTION] | | 5 | Time Weighted Average (TWA): | | IR_OEL |
| Silicon dioxide<br>112945-52-5<br>[SILICA, AMORPHOUS, TOTAL INHALABLE DUST] | | 6 | Time Weighted Average (TWA): | | IR_OEL |
| Silicon dioxide<br>112945-52-5<br>[SILICA, AMORPHOUS, RESPIRABLE DUST] | | 2,4 | Time Weighted Average (TWA): | | IR_OEL |
| Acetic acid<br>64-19-7<br>[ACETIC ACID] | 10 | 25 | Time Weighted Average (TWA): | Indicative OELV | IR_OEL |
| Acetic acid<br>64-19-7<br>[ACETIC ACID] | 15 | 37 | Short Term Exposure Limit (STEL): | Indicative OELV | IR_OEL |
| Acetic acid<br>64-19-7<br>[ACETIC ACID] | 10 | 25 | Time Weighted Average (TWA): | Indicative | ECTLV |

**Predicted No-Effect Concentration (PNEC):**

| Name on list | Environmental Compartment | Exposure period | Value | | | | Remarks |
|---|---|---|---|---|---|---|---|
| | | | mg/l | ppm | mg/kg | others | |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | aqua (freshwater) | | | | | 0,034 µg/L | |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | sediment (freshwater) | | | | 0,41 mg/kg | | |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | sediment (marine water) | | | | 0,0034 mg/kg | | |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | sewage treatment plant (STP) | | | | | 0,064 mg/L | |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | soil | | | | 0,062 mg/kg | | |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | oral | | | | | 4,49 mg/kg food | |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | aqua (marine water) | | | | | 0,0068 µg/L | |

**Biological Exposure Indices:**
None

**8.2. Exposure controls:**

Respiratory protection:
Ensure adequate ventilation.

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:
Goggles which can be tightly sealed.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| Appearance | solid<br>pasty<br>varied, according to coloration |
| Odor | of acetic acid |
| 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<br>(23 °C (73.4 °F)) | 0,96 - 0,98 g/cm3 |
| 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)<br>(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 acetic acid 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 |
|---|---|---|---|---|---|---|
| Distillates (Petroleum) hydrotreated middle; Gasoil - unspecified 64742-46-7 | LD50 | > 5.000 mg/kg | oral | | rat | OECD Guideline 401 (Acute Oral Toxicity) |
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8 | LD50 | > 5.000 mg/kg | oral | | rat | OECD Guideline 401 (Acute Oral Toxicity) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | LD50 | 1.636 mg/kg | oral | | rat | not specified |

**Acute inhalative toxicity:**

| Hazardous components CAS-No. | Value type | Value | Route of application | Exposure time | Species | Method |
|---|---|---|---|---|---|---|
| Distillates (Petroleum) hydrotreated middle; Gasoil - unspecified 64742-46-7 | LC50 | > 5,266 mg/l | dust/mist | 4 h | rat | not specified |
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8 | LC50 | > 5,3 mg/l | dust/mist | 4 h | rat | not specified |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | LC50 | 0,26 mg/l | dust/mist | 4 h | rat | not specified |

**Acute dermal toxicity:**

| Hazardous components CAS-No. | Value type | Value | Route of application | Exposure time | Species | Method |
|---|---|---|---|---|---|---|
| Distillates (Petroleum) hydrotreated middle; Gasoil - unspecified 64742-46-7 | LD50 | > 2.000 mg/kg | dermal | | rabbit | OECD Guideline 402 (Acute Dermal Toxicity) |
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8 | LD50 | > 5.000 mg/kg | dermal | | rabbit | OECD Guideline 402 (Acute Dermal Toxicity) |

**Skin corrosion/irritation:**

| Hazardous components CAS-No. | Result | Exposure time | Species | Method |
|---|---|---|---|---|
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8 | not irritating | | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

**Serious eye damage/irritation:**

| Hazardous components CAS-No. | Result | Exposure time | Species | Method |
|---|---|---|---|---|
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8 | slightly irritating | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

**Respiratory or skin sensitization:**

| Hazardous components CAS-No. | Result | Test type | Species | Method |
|---|---|---|---|---|
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8 | not sensitising | | | OECD Guideline 406 (Skin Sensitisation) |

**Germ cell mutagenicity:**

| Hazardous components CAS-No. | Result | Type of study / Route of administration | Metabolic activation / Exposure time | Species | Method |
|---|---|---|---|---|---|
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8 | negative | bacterial reverse mutation assay (e.g Ames test) | | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| | negative | in vitro mammalian chromosome aberration test | | | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) |
| | negative | mammalian cell gene mutation assay | | | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| | negative | sister chromatid exchange assay in mammalian cells | | | OECD Guideline 479 (Genetic Toxicology: In Vitro Sister Chromatid Exchange Assay in Mammalian Cells) |
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8 | negative | | | | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |
| | negative | | | | OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test) |

**Carcinogenicity:**

| Hazardous components CAS-No. | Result | Species | Sex | Exposure timeFrequency of treatment | Route of application | Method |
|---|---|---|---|---|---|---|
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8 | not carcinogenic | | | | | OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |

## 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 |
|---|---|---|---|---|---|---|
| Distillates (Petroleum) hydrotreated middle; Gasoil - unspecified 64742-46-7 | LC50 | > 10.000 mg/l | Fish | 96 h | Pimephales promelas | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8 | LL0 | 1.000 mg/l | Fish | 96 h | Oncorhynchus mykiss | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| | LL50 | > 250 mg/l | Fish | 96 h | Danio rerio | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8 | EL0 | 1.000 mg/l | Daphnia | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| | EC50 | > 1.000 mg/l | Daphnia | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8 | EL0 | 1.000 mg/l | Algae | 72 h | Pseudokirchnerella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | NOEC | 0,00056 mg/l | Fish | 97 d | Oncorhynchus mykiss | OECD Guideline 210 (fish early lite stage toxicity test) |
| | LC50 | 0,0027 mg/l | Fish | 96 h | Oncorhynchus mykiss | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | EC50 | 0,0057 mg/l | Daphnia | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | EC50 | 0,077 mg/l | Algae | 72 h | Pseudokirchnerella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | EC 50 | 5,7 mg/l | Bacteria | 3 h | activated sludge | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | NOEC | 0,00063 mg/l | chronic Daphnia | 21 d | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |

**12.2. Persistence and degradability**

| Hazardous components CAS-No. | Result | Route of application | Degradability | Method |
|---|---|---|---|---|
| Distillates (Petroleum) hydrotreated middle; Gasoil - unspecified 64742-46-7 | | aerobic | 30 % | OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) |
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene 64742-47-8 | readily biodegradable | not specified | 69 % | OECD 301 A - F |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one 64359-81-5 | Rapidly degradable | not specified | > 60 % | OECD 301 A - F |

**12.3. Bioaccumulative potential / 12.4. Mobility in soil**

| Hazardous components CAS-No. | LogPow | Bioconcentration factor (BCF) | Exposure time | Species | Temperature | Method |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one<br>64359-81-5<br>4,5-Dichloro-2-octyl-2H-isothiazol-3-one<br>64359-81-5 | 2,42 | 750 | | Lepomis macrochirus | | OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)<br>OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |

**12.5. Results of PBT and vPvB assessment**

| **Hazardous components**<br>**CAS-No.** | **PBT/vPvB** |
|---|---|
| Distillates (Petroleum) hydrotreated middle; Gasoil - unspecified<br>64742-46-7 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| Destillates (Petroleum), Hydrocarbon aliph dearomat <0.1% benzene<br>64742-47-8 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |
| 4,5-Dichloro-2-octyl-2H-isothiazol-3-one<br>64359-81-5 | 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 10 %
(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:

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.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

**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.**