



# HB42 ALL IN ONE SEALANT&ADHESIVE

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Date of issue: 29/06/2018 Version: 1.0

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : HB42 ALL IN ONE SEALANT&ADHESIVE

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

HB42 brand of Hilton Banks  
Oldfield Road 74  
TW12 2HR Hampton  
T 020 8979 8284

[enquiries@hb42.co.uk](mailto:enquiries@hb42.co.uk) - [www.hb42.co.uk](http://www.hb42.co.uk)

#### 1.4. Emergency telephone number

| Country        | Official advisory body  | Address                         | Emergency number | Comment |
|----------------|---|---------------------------------|------------------|---------|
| United Kingdom | Guy's & St Thomas' Poisons Unit<br>Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust | Avonley Road<br>SE14 5ER London | +44 20 7188 7188 |         |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH208 - Contains 3-(2-aminoethylamino)propyltrimethoxysilane, N-(2-aminoethyl)-N'-[3-(trimethoxysilyl)propyl]ethylenediamine, Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.  
EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name  | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]          |
|---|---|---------|--|
| Titanium dioxide<br>substance with a Community workplace exposure limit | (CAS-No.) 13463-67-7<br>(EC-No.) 236-675-5<br>(REACH-no) 01-2119489379-17 | 1 - 5   | Not classified   |
| vinyltrimethoxysilane   | (CAS-No.) 2768-02-7<br>(EC-No.) 220-449-8<br>(REACH-no) 01-2119513215-52  | 1 - 2,5 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Inhalation), H332<br>STOT RE 2, H373 |

Full text of H-statements: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).                                    |
| First-aid measures after inhalation   | : Take victim to fresh air, in a quiet place and if necessary take medical advice.   |
| First-aid measures after skin contact | : After contact with skin, wash immediately and thoroughly with water and soap. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact  | : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  |
| First-aid measures after ingestion    | : If swallowed, rinse mouth with water (only if the person is conscious). If you feel unwell, seek medical advice.                               |

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

No additional information available

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Use extinguishing media appropriate for surrounding fire. All extinguishing media allowed. |
| Unsuitable extinguishing media | : Strong water jet.  |

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Nitrogen oxides. Hydrocarbons. Toxic fumes.

#### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Precautionary measures fire    | : Do not breathe vapours. Evacuate unnecessary personnel. Exercise caution when fighting any chemical fire. |
| Firefighting instructions      | : Cool down the containers exposed to heat with a water spray.  |
| Protection during firefighting | : Wear a self contained breathing apparatus.  |
| Other information              | : Do not allow run-off from fire fighting to enter drains or water courses.                                 |

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate air ventilation. Spills of this product present a serious slipping hazard. Do not touch or walk on the spilled product.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip rescue crew with proper protection. Equip cleanup crew with proper protection.

#### 6.2. Environmental precautions

Do not allow into drains or water courses. Avoid sub-soil penetration. Notify authorities if product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Cover spill with non combustible material, e.g.: sand, earth, vermiculite. Collect all waste in suitable and labelled containers and dispose according to local legislation.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                               |   |
|-------------------------------|---|
| Precautions for safe handling | : Avoid contact with skin and eyes. Ensure adequate ventilation, especially in confined areas.  |
| Hygiene measures              | : Handle in accordance with good industrial hygiene and safety procedures. Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place.

#### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Titanium dioxide (13463-67-7)

|                |                              |  |
|----------------|------------------------------|--|
| EU             | Local name                   | Titanium dioxide   |
| EU             | Notes                        | (Ongoing)  |
| EU             | Regulatory reference         | SCOEL Recommendations  |
| United Kingdom | WEL TWA (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup> inhalable dust<br>4 mg/m <sup>3</sup> respirable dust |

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

##### Hand protection:

Time of penetration is to be checked with the glove producer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

| Type              | Material       | Permeation        | Thickness (mm) | Penetration | Standard |
|-------------------|----------------|-------------------|----------------|-------------|----------|
| Disposable gloves | Nitrile rubber | 6 (> 480 minutes) | > 0,1          |             | EN 374   |

##### Eye protection:

| Type           | Use | Characteristics   | Standard |
|----------------|-----|-------------------|----------|
| Safety glasses |     | With side shields | EN 166   |

##### Respiratory protection:

Ensure there is adequate ventilation

##### Personal protective equipment symbol(s):



##### Environmental exposure controls:

Do not allow to enter into surface water or drains.

##### Consumer exposure controls:

Avoid contact with skin and eyes.

##### Other information:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### SECTION 9: Physical and chemical properties

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

|                |                                       |
|----------------|---------------------------------------|
| Physical state | : Liquid                              |
| Appearance     | : Paste.                              |
| Colour         | : According to product specification. |
| Density        | : 1,5 g/cm <sup>3</sup>               |
| Solubility     | : Water: Insoluble                    |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Moisture. Heat.

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No decomposition if stored normally.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### Titanium dioxide (13463-67-7)

|   |                |
|---|----------------|
| LD50 oral rat                             | > 5000 mg/kg   |
| LD50 dermal rabbit                        | > 10000 mg/kg  |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | > 6,82 mg/l/4h |

#### vinyltrimethoxysilane (2768-02-7)

|   |                               |
|---|-------------------------------|
| LD50 oral rat                             | 7120 mg/kg                    |
| LD50 dermal rabbit                        | 3540 mg/kg                    |
| LC50 inhalation rat (mg/l)                | 16,79 mg/l/4h                 |
| LC50 inhalation rat (ppm)                 | 2773 ppm/4h (OECD 403 method) |
| LC50 inhalation rat (Dust/Mist - mg/l/4h) | 16,8 mg/l/4h                  |

|                                   |                  |
|-----------------------------------|------------------|
| Skin corrosion/irritation         | : Not classified |
| Serious eye damage/irritation     | : Not classified |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity            | : Not classified |
| Carcinogenicity                   | : Not classified |
| Reproductive toxicity             | : Not classified |
| STOT-single exposure              | : Not classified |
| STOT-repeated exposure            | : Not classified |

#### vinyltrimethoxysilane (2768-02-7)

|                            |                               |
|----------------------------|-------------------------------|
| LOAEL (oral, rat, 90 days) | 10 - 100 mg/kg bodyweight/day |
|----------------------------|-------------------------------|

|                   |                  |
|-------------------|------------------|
| Aspiration hazard | : Not classified |
|-------------------|------------------|

### SECTION 12: Ecological information

#### 12.1. Toxicity

|                          |                  |
|--------------------------|------------------|
| Acute aquatic toxicity   | : Not classified |
| Chronic aquatic toxicity | : Not classified |

#### Titanium dioxide (13463-67-7)

|                                |               |
|--------------------------------|---------------|
| LC50 fish 1                    | > 1000 mg/l   |
| LC50 fish 2                    | > 10000 mg/l  |
| EC50 Daphnia 1                 | 2 mg/l        |
| EC50 other aquatic organisms 1 | > 10000 mg/l  |
| EC50 other aquatic organisms 2 | 61 mg/l       |
| NOEC (chronic)                 | 0,01 mg/l rat |
| NOEC chronic algae             | 56000 mg/l    |

#### vinyltrimethoxysilane (2768-02-7)

|                        |                              |
|------------------------|------------------------------|
| LC50 fish 1            | 191 mg/l                     |
| EC50 Daphnia 1         | 168,7 mg/l                   |
| EC50 72h algae (1)     | > 957 mg/l                   |
| ErC50 (algae)          | > 100 mg/l (OECD 201 method) |
| NOEC chronic fish      | >= 100 mg/l                  |
| NOEC chronic crustacea | 28 mg/l                      |
| NOEC chronic algae     | 957 mg/l                     |

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### 12.2. Persistence and degradability

#### Titanium dioxide (13463-67-7)

|                               |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
|-------------------------------|----------------------------|

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### ADR

#### 14.1. UN number

Not applicable

#### 14.2. UN proper shipping name

Not applicable

#### 14.3. Transport hazard class(es)

Not applicable

#### 14.4. Packing group

Not applicable

#### 14.5. Environmental hazards

Not applicable

No supplementary information available

#### 14.6. Special precautions for user

Not applicable

#### 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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

|   |  |
|---|--|
| 3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008  | Zinc pyrithione - methanol - 3-(2-aminoethylamino)propyltrimethoxysilane - N,N'-bis-(3-(trimethoxysilyl)propyl)-1,2-ethanediamine - N,N-bis[3-(trimethoxysilyl)propyl]-1,2-ethanediamine - 1-(2-aminoethyl)-2,2-dimethoxy-1-aza-2-silacyclopentane - ethylenediamine; 1,2-diaminoethane - N-(2-aminoethyl)-N'-[3-(trimethoxysilyl)propyl]ethylenediamine - reaction mass of: isomers of 2-(2H-benzotriazol-2-yl)-4-methyl-(n)-dodecylphenol, isomers of 2-(2H-benzotriazol-2-yl)-4-methyl-(n)-tetracosylphenol, isomers of 2-(2H-benzotriazol-2-yl)-4-methyl-5,6-didodecyl-phenol. n = 5 or 6 - Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate - reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate - vinyltrimethoxysilane - tetramethyl orthosilicate |
| 3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F | methanol - ethylenediamine; 1,2-diaminoethane - vinyltrimethoxysilane - tetramethyl orthosilicate  |

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|  |  |
|--|--|
| 3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10   | Diocetylbinbis(acetylacetonate) - methanol - 3-(2-aminoethylamino)propyltrimethoxysilane - N,N'-bis-(3-(trimethoxysilyl)propyl)-1,2-ethanediamine - N,N-bis[3-(trimethoxysilyl)propyl]-1,2-ethanediamine - 1-(2-aminoethyl)-2,2-dimethoxy-1-aza-2-silacyclopentane - ethylenediamine; 1,2-diaminoethane - N-(2-aminoethyl)-N'-[3-(trimethoxysilyl)propyl]ethylenediamine - Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate - vinyltrimethoxysilane - tetramethyl orthosilicate                |
| 3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1   | 3-(2-aminoethylamino)propyltrimethoxysilane - N-(2-aminoethyl)-N'-[3-(trimethoxysilyl)propyl]ethylenediamine - reaction mass of: isomers of 2-(2H-benzotriazol-2-yl)-4-methyl-(n)-dodecylphenol, isomers of 2-(2H-benzotriazol-2-yl)-4-methyl-(n)-tetracosylphenol, isomers of 2-(2H-benzotriazol-2-yl)-4-methyl-5,6-didodecyl-phenol. n = 5 or 6 - Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate - reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate |
| 40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. | methanol - ethylenediamine; 1,2-diaminoethane - vinyltrimethoxysilane - tetramethyl orthosilicate  |

Contains no substance on the REACH candidate list  $\geq 0,1$  % / SCL

Contains no REACH Annex XIV substances

Directive 2012/18/EU (SEVESO III)

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhal.), Category 4   |
| Flam. Liq. 3                        | Flammable liquids, Category 3   |
| STOT RE 2                           | Specific target organ toxicity — Repeated exposure, Category 2  |
| H226                                | Flammable liquid and vapour.  |
| H332                                | Harmful if inhaled.   |
| H373                                | May cause damage to organs through prolonged or repeated exposure.  |
| EUH208                              | Contains 3-(2-aminoethylamino)propyltrimethoxysilane, N-(2-aminoethyl)-N'-[3-(trimethoxysilyl)propyl]ethylenediamine, Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction. |
| EUH210                              | Safety data sheet available on request.   |

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*