



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

### 1.1. Product identifier

Product form : Mixture  
Trade name : HS45  
Product code : FG000047, FG000048, FG000603

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

#### 1.2.1. Relevant identified uses

No additional information available

#### 1.2.2. Uses advised against

No additional information available

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

#### Manufacturer

Hodgson Sealants Limited  
Belprin Road; Beverley  
East Yorkshire; HU17 0LN  
United Kingdom  
T +44(0) 1482 868 321 - F +44 (0)1482 679 337  
[SDS@hodgsonsealants.com](mailto:SDS@hodgsonsealants.com) - [www.hodgsonsealants.com](http://www.hodgsonsealants.com)

### 1.4. Emergency telephone number

Emergency number : +44 (0) 207 858 1228  
247EmergencyAdvice@ohes.co.uk

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Skin sensitisation, Category 1 H317

Full text of H- and EUH-statements: see section 16

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

May cause an allergic skin reaction.

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazardous ingredients :

Trimethoxyvinylsilane

Hazard statements (CLP) :

H317 - May cause an allergic skin reaction.

Precautionary statements (CLP) :

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.

EUH-statements :

EUH210 - Safety data sheet available on request.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq$  0.1% assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 3.2. Mixtures

| Name                                                                                                                                                                                                                         | Product identifier                                                                                        | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------|
| Trimethoxyvinylsilane                                                                                                                                                                                                        | (CAS-No.) 2768-02-7<br>(EC-No.) 220-449-8<br>(REACH-no) 01-2119513215-52                                  | ≥ 1 – < 5 | Skin Sens. 1B, H317<br>STOT RE 2, H373                          |
| A mixture 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 | (CAS-No.) 125304-04-3<br>(EC-No.) 401-680-5<br>(EC Index-No.) 604-057-00-8<br>(REACH-no) 01-0000015153-80 | < 1       | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                |

Full text of H- and EUH-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                                                                   |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.                                                                                           |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.                                                                             |

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

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
|-------------------------------------|----------------------------------------|

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                              |                                                  |
|------------------------------|--------------------------------------------------|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--------------------------------------------------|

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

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--------------------------------------------------|--------------------------------|

#### 5.3. Advice for firefighters

|                                |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

### SECTION 6: Accidental release measures

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

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

|                      |                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. |
|----------------------|----------------------------------------------------------------------------------------------------------------|

##### 6.1.2. For emergency responders

|                      |                                                                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.2. Environmental precautions

Avoid release to the environment.

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

|                         |                                                                 |
|-------------------------|-----------------------------------------------------------------|
| Methods for cleaning up | : Take up liquid spill into absorbent material.                 |
| Other information       | : Dispose of materials or solid residues at an authorized site. |

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                               |                                                                                                                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.                                              |
| Hygiene measures              | : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

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

|                    |                                                |
|--------------------|------------------------------------------------|
| Storage conditions | : Store in a well-ventilated place. Keep cool. |
|--------------------|------------------------------------------------|

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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



#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|                                                 |                          |
|-------------------------------------------------|--------------------------|
| Physical state                                  | : Liquid                 |
| Appearance                                      | : Paste.                 |
| Colour                                          | : No data available      |
| Odour                                           | : No data available      |
| Odour threshold                                 | : No data available      |
| pH                                              | : No data available      |
| Relative evaporation rate (butylacetate=1)      | : No data available      |
| Melting point                                   | : No data available      |
| Freezing point                                  | : No data available      |
| Boiling point                                   | : No data available      |
| Flash point                                     | : No data available      |
| Auto-ignition temperature                       | : No data available      |
| Decomposition temperature                       | : No data available      |
| Flammability (solid, gas)                       | : No data available      |
| Vapour pressure                                 | : No data available      |
| Relative vapour density at 20 °C                | : No data available      |
| Relative density                                | : ≈ 1.58                 |
| Solubility                                      | : No data available      |
| Partition coefficient n-octanol/water (Log Pow) | : No data available      |
| Viscosity, kinematic                            | : No data available      |
| Viscosity, dynamic                              | : > 3200000 mPa·s At 23C |
| Explosive properties                            | : No data available      |
| Oxidising properties                            | : No data available      |
| Explosive limits                                | :                        |

### 9.2. Other information

No additional information available

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### 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

| <b>A mixture 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 (125304-04-3)</b> |                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| LD50 oral rat                                                                                                                                                                                                                                     | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)   |
| LD50 oral                                                                                                                                                                                                                                         | > 5000 mg/kg bodyweight Animal:                                                            |
| LD50 dermal rat                                                                                                                                                                                                                                   | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

| <b>Trimethoxyvinylsilane (2768-02-7)</b> |                                                                                                                                                                                      |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOAEL (animal/male, F0/P)                | 1000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Combined Repeated Dose and Reproductive / Developmental Toxicity Screening Test (Precursor Protocol of GL 422)  |
| NOAEL (animal/female, F0/P)              | 250 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Combined Repeated Dose and Reproductive / Developmental Toxicity Screening Test (Precursor Protocol of GL 422) |

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

| <b>Trimethoxyvinylsilane (2768-02-7)</b> |                                                                                                                                                                          |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LOAEL (oral, rat, 90 days)               | 62.5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)   |
| NOAEL (oral, rat, 90 days)               | < 62.5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |

| <b>A mixture 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 (125304-04-3)</b> |                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| NOAEL (oral, rat, 90 days)                                                                                                                                                                                                                        | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents) |

Aspiration hazard : Not classified

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

#### Trimethoxyvinylsilane (2768-02-7)

|                      |                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | > 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                   |
| EC50 - Crustacea [1] | 168.7 mg/l Test organisms (species): Daphnia magna                                                    |
| EC50 72h - Algae [1] | > 957 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

#### A mixture 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 (125304-04-3)

|                      |                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | > 72.3 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                 |
| EC50 - Crustacea [1] | > 0.005 mg/l Test organisms (species): Daphnia magna                                                 |
| EC50 72h - Algae [1] | > 10 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

#### 12.2. Persistence and degradability

No additional information available

#### 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

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

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

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|-----------------------------------------|----------------|----------------|----------------|----------------|
| <b>14.1. UN number</b>                  |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |

No supplementary information available

#### 14.6. Special precautions for user

##### Overland transport

Not applicable

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### Transport by sea

Not applicable

### Air transport

Not applicable

### Inland waterway transport

Not applicable

### Rail transport

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Abbreviations and acronyms:

|        |                                                                                                 |
|--------|-------------------------------------------------------------------------------------------------|
| ADN    | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR    | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE    | Acute Toxicity Estimate                                                                         |
| BCF    | Bioconcentration factor                                                                         |
| BLV    | Biological limit value                                                                          |
| BOD    | Biochemical oxygen demand (BOD)                                                                 |
| COD    | Chemical oxygen demand (COD)                                                                    |
| DMEL   | Derived Minimal Effect level                                                                    |
| DNEL   | Derived-No Effect Level                                                                         |
| EC-No. | European Community number                                                                       |
| EC50   | Median effective concentration                                                                  |
| EN     | European Standard                                                                               |
| IARC   | International Agency for Research on Cancer                                                     |
| IATA   | International Air Transport Association                                                         |
| IMDG   | International Maritime Dangerous Goods                                                          |
| LC50   | Median lethal concentration                                                                     |
| LD50   | Median lethal dose                                                                              |
| LOAEL  | Lowest Observed Adverse Effect Level                                                            |
| NOAEC  | No-Observed Adverse Effect Concentration                                                        |
| NOAEL  | No-Observed Adverse Effect Level                                                                |
| NOEC   | No-Observed Effect Concentration                                                                |
| OECD   | Organisation for Economic Co-operation and Development                                          |

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|         |                                                                              |
|---------|------------------------------------------------------------------------------|
| OEL     | Occupational Exposure Limit                                                  |
| PBT     | Persistent Bioaccumulative Toxic                                             |
| PNEC    | Predicted No-Effect Concentration                                            |
| RID     | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS     | Safety Data Sheet                                                            |
| STP     | Sewage treatment plant                                                       |
| ThOD    | Theoretical oxygen demand (ThOD)                                             |
| TLM     | Median Tolerance Limit                                                       |
| VOC     | Volatile Organic Compounds                                                   |
| CAS-No. | Chemical Abstract Service number                                             |
| N.O.S.  | Not Otherwise Specified                                                      |
| vPvB    | Very Persistent and Very Bioaccumulative                                     |
| ED      | Endocrine disrupting properties                                              |

### Full text of H- and EUH-statements:

|                   |                                                                    |
|-------------------|--------------------------------------------------------------------|
| Aquatic Acute 1   | Hazardous to the aquatic environment — Acute Hazard, Category 1    |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1  |
| EUH210            | Safety data sheet available on request.                            |
| H317              | May cause an allergic skin reaction.                               |
| H373              | May cause damage to organs through prolonged or repeated exposure. |
| H400              | Very toxic to aquatic life.                                        |
| H410              | Very toxic to aquatic life with long lasting effects.              |
| Skin Sens. 1      | Skin sensitisation, Category 1                                     |
| Skin Sens. 1B     | Skin sensitisation, category 1B                                    |
| STOT RE 2         | Specific target organ toxicity — Repeated exposure, Category 2     |

### HSL SDS EU

*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.*