

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Trade name : Parabond 600

**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**

DL CHEMICALS  
Roterijstraat 201-203  
B-8793 Waregem - Belgium  
T + 32 56 62 70 51 - F + 32 56 60 95 68  
[info@dl-chem.com](mailto:info@dl-chem.com) - [www.dl-chem.com](http://www.dl-chem.com)

**1.4. Emergency telephone number**

Emergency number : + 32 70 245 245

| 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 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**

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**

# Parabond 600

## Safety Data Sheet

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

| Name                  | Product identifier   | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]             |
|-----------------------|--|---------|---|
| vinyltrimethoxysilane | (CAS-No.) 2768-02-7<br>(EC-No.) 220-449-8<br>(REACH-no) 01-2119513215-52 | 2,5 - 5 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Inhalation),<br>H332<br>STOT RE 2, H373 |

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Move to fresh air.  
First-aid measures after skin contact : Wash with plenty of water/....  
First-aid measures after eye contact : Wash with plenty of water/.... If eye irritation persists: Get medical advice/attention.  
First-aid measures after ingestion : Rinse mouth.

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

Symptoms/effects after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.  
Symptoms/effects after skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.  
Symptoms/effects after eye contact : May cause slight irritation.  
Symptoms/effects after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

#### 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 : All extinguishing media allowed.

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

Fire hazard : Not combustible.

#### 5.3. Advice for firefighters

Precautionary measures fire : Do not breathe fumes from fires or vapours from decomposition. 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.

### SECTION 6: Accidental release measures

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

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

No additional information available

##### 6.1.2. For emergency responders

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

#### 6.2. Environmental precautions

Do not allow into drains or water courses.

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

For containment : Cover spill with non combustible material, e.g.: sand, earth, vermiculite.  
Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal.

#### 6.4. Reference to other sections

No additional information available

# Parabond 600

## Safety Data Sheet

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

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid all unnecessary exposure.  
Hygiene measures : 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 dry, well-ventilated area.

#### 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. 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 (NBR) | 3 (> 60 minutes) | > 0,35         |             | EN ISO 374 |

Eye protection:

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

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

| Device   | Filter type | Condition                        | Standard |
|----------|-------------|----------------------------------|----------|
| Gas mask | ABEK        | If conc. in air > exposure limit |          |



Consumer exposure controls:

Avoid contact with skin and eyes. Wash hands and other exposed areas with soap and water before leaving work.

Other information:

Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

### 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.  
Odour : characteristic.

# Parabond 600

## Safety Data Sheet

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

|   |                                |
|---|--------------------------------|
| Odour threshold                               | : No data available            |
| pH  | : No data available            |
| Relative evaporation rate<br>(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                              | : No data available            |
| Density                                       | : 1,58 g/ml                    |
| Solubility                                    | : Water: practically insoluble |
| Log Pow                                       | : No data available            |
| Viscosity, kinematic                          | : No data available            |
| Viscosity, dynamic                            | : No data available            |
| Explosive properties                          | : No data available            |
| Oxidising properties                          | : No data available            |
| Explosive limits                              | : No data available            |

### 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.

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

None under normal conditions.

## 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 |

| 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 |

# Parabond 600

## Safety Data Sheet

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

|                                   |                  |
|-----------------------------------|------------------|
| 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 |

|                                   |                              |
|-----------------------------------|------------------------------|
| 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                     |

### 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

|  |  |
|--|--|
| Parabond 600   |  |
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  |  |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |  |

### 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

|                                    |  |
|------------------------------------|--|
| 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        |  |
| Dangerous for the environment : No |  |

# Parabond 600

## Safety Data Sheet

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

### ADR

No supplementary information available

### 14.6. Special precautions for user

- Overland transport

Transport regulations (ADR) : Not classified.

### 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(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   | vinyltrimethoxysilane                |
| 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. | vinyltrimethoxysilane                |
| 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   | vinyltrimethoxysilane                |
| 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  | Parabond 600 - vinyltrimethoxysilane |

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 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 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.  |

MSDS Reach Annex II DL-Chem

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