# SAFETY DATA SHEET

According to article 31 and Annex II of the EU REACH Regulation

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**DOW CORNING(R) CONSTRUCTION PRIMER P**

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

<table>
<thead>
<tr>
<th><strong>1.1 Product name</strong></th>
<th>DOW CORNING(R) CONSTRUCTION PRIMER P</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1.2 Identified uses</strong></td>
<td>Adhesive, binding agents</td>
</tr>
<tr>
<td><strong>Uses advised against</strong></td>
<td>None known.</td>
</tr>
</tbody>
</table>
| **1.3 Company** | Dow Corning Europe S.A.  
               rue Jules Bordet - Parc Industriel - Zone C  
               B-7180 Seneffe  
               Belgium |
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                       Deutsch Tel: +49 611237500  
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## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

According to EU Directives 67/548/EEC or 1999/45/EC:

- R11 Highly flammable.
- R36/38 Irritating to eyes and skin.
- R43 May cause sensitization by skin contact.
- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R63 Possible risk of harm to the unborn child.
- R67 Vapours may cause drowsiness and dizziness.

### 2.2 Label elements

**Labelling according to EEC Directive**

- **Contains**: Toluene  
  Trimethoxy(methyl)silane
- **Symbols**: F Highly flammable.  
  Xn Harmful.
DOW CORNING(R) CONSTRUCTION PRIMER P

R-phrases:
R11 Highly flammable.
R36/38 Irritating to eyes and skin.
R43 May cause sensitization by skin contact.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63 Possible risk of harm to the unborn child.
R67 Vapours may cause drowsiness and dizziness.

S-phrases:
S2 Keep out of the reach of children.
S23(S) Do not breathe spray.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S33 Take precautionary measures against static discharges.
S36/37 Wear suitable protective clothing and gloves.
S51 Use only in well-ventilated areas.

2.3 Other hazards
Vapours may form explosive mixtures with air.
## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### Chemical characterization: Organosilane solution

According to EU Directives 67/548/EEC or 1999/45/EC:

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS-No.</th>
<th>EINECS/ELINCS No.</th>
<th>REACH Registration Number</th>
<th>Conc. (% w/w)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>203-625-9</td>
<td></td>
<td>&lt;=70.0</td>
<td>F R11 Xi R38 Xn R48/20 R65 Xn, Repr. Cat. 3 R63 R67</td>
</tr>
<tr>
<td>Butan-1-ol</td>
<td>71-36-3</td>
<td>200-751-6</td>
<td></td>
<td>&lt;=5.0</td>
<td>R10 Xn R22 Xi R37/38 R41 R67</td>
</tr>
<tr>
<td>Trimethoxy(methyl)silane</td>
<td>1185-55-3</td>
<td>214-685-0</td>
<td></td>
<td>5.0</td>
<td>F R43 R11</td>
</tr>
</tbody>
</table>

According to Regulation (EC) No. 1272/2008:

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS-No.</th>
<th>EINECS/ELINCS No.</th>
<th>REACH Registration Number</th>
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<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>203-625-9</td>
<td></td>
<td>&lt;=70.0</td>
<td>Flammable liquid: Category 2 - H225 Skin corrosion/irritation: Category 2 - H315 Reproductive toxicity: Category 2 - H361d Specific target organ toxicity - single exposure (Inhalation - vapour): Category 3 (narcotic effects) - H336 Specific target organ toxicity - repeated exposure (Inhalation): Category 2 (central nervous system) - H373 Aspiration hazard: Category 1 - H304</td>
</tr>
<tr>
<td>Butan-1-ol</td>
<td>71-36-3</td>
<td>200-751-6</td>
<td></td>
<td>&lt;=5.0</td>
<td>Flammable liquid: Category 2 - H225 Acute toxicity (Oral): Category 4 - H302 Skin corrosion/irritation: Category 2 - H315 Serious eye damage/eye irritation: Category 1 - H318 Specific target organ toxicity - single exposure (Inhalation - vapour): Category 3 (respiratory tract irritation) - H335 Specific target organ toxicity - single exposure (Inhalation - vapour): Category 3 (narcotic effects) - H336</td>
</tr>
<tr>
<td>Trimethoxy(methyl)silane</td>
<td>1185-55-3</td>
<td>214-685-0</td>
<td></td>
<td>5.0</td>
<td>Flammable liquid: Category 2 - H225 Skin sensitization: Category 1 - H317</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

4.1 Description of First Aid Measures:

On contact with eyes: Immediately flush with water. Obtain medical attention immediately.

On skin contact: Immediately flush with water. Wipe off. Obtain medical attention.

If inhaled: Remove to fresh air. Obtain medical attention immediately.

On ingestion: Do not induce vomiting. Obtain medical attention.

4.2 Most important symptoms/effects, acute and delayed:

Irritating to eyes and skin.
May cause sensitization by skin contact.
Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Possible risk of harm to the unborn child.
Vapours may cause drowsiness and dizziness.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media: On large fires use dry chemical, foam or water spray (fog). On small fires use carbon dioxide (CO2), dry chemical or water spray. Water can be used to cool fire exposed containers.

Unsuitable extinguishing media: None known.

5.2 Hazards during fire fighting: Vapours are heavier than air and can travel along ground to remote ignition sources. Electrostatic charges may be generated during transfer of product from its container. Ensure that all equipment is electrically earthed. Vapours may form explosive mixtures with air.

Hazardous Combustion Products: Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

5.3 Special protective equipment/procedures: A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Eliminate all possible sources of ignition.

6.2 Environmental precautions

Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.

6.3 Methods and materials for containment and cleaning up

Determine the need to evacuate or isolate the area according to your local emergency plan. Eliminate all possible sources of ignition. Very large spills should be contained by bunding, etc... procedures. Mop, wipe or soak up with absorbent material and place in a container with a lid. The spilled product produces an extremely slippery surface.

7. HANDLING AND STORAGE

7.1 Advice on safe handling

General ventilation is required. Local ventilation is required. Do not breathe vapour. Avoid skin and eye contact. Do not ingest. Do not empty into drains.

7.2 Advice on storage

Store in a flameproof, well ventilated area. Electrostatic charges may be generated during transfer of product from its container. Ensure that all equipment is electrically earthed. Keep container tightly closed.

Vapours may form explosive mixtures with air.

Storage temperature: minimum 0 °C, maximum 32 °C

7.3 Specific uses

Refer to technical data sheet available on request.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS-No.</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>50 ppm TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 ppm STEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>191 mg/m3 TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>384 mg/m3 STEL</td>
</tr>
<tr>
<td>Butan-1-ol</td>
<td>71-36-3</td>
<td>50 ppm STEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>154 mg/m3 STEL</td>
</tr>
<tr>
<td>Trimethoxy(methyl)silane</td>
<td>1185-55-3</td>
<td>50 ppm (8h TWA) - Dow Corning recommendation.</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Engineering Controls

Ventilation: Refer to Section 7.1
Personal protection equipment

Respiratory protection: Suitable respiratory protection should be worn if the product is used in large quantities, confined spaces or in other circumstances where the OEL may be approached or exceeded.

- Contact with water or humid air will form methanol. Please take into account any occupational exposure limits for methanol which are applicable in your country. Depending on the working conditions, wear a respiratory mask with filter(s) A or use a self-contained respirator. The choice of a filter type depends on the amount and type of chemical being handled in the workplace. Regarding filter characteristics, contact your respiratory protection supplier.

Hand protection: Chemical protective gloves or gauntlets should be worn and removed correctly to avoid skin contamination: Polyvinyl alcohol(PVA). Nitrile rubber. Silver shield(TM). 4H(TM). Viton(TM). Regarding glove's breakthrough time, contact your chemical protective glove supplier.

Eye/face protection: Face shield or safety goggles.

Skin protection: Wear impervious overalls in circumstances where significant skin contact can occur.

Hygiene measures: Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking. Remove contaminated clothing immediately.

Additional information: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding the use of silicones/organic oils in consumer aerosol applications, please refer to the guidance document regarding the use of these types of materials in consumer aerosol applications that has been developed by the silicone industry (www.SEHSC.com) or contact the Dow Corning customer service group.

Environmental exposure controls: Refer to section 6 and 12.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Colour: Colorless

Odour: Aromatic odour

Boiling point/range: > 70 °C

Flash point: 8 °C (Closed Cup)

Explosive properties: No Vapours may form explosive mixtures with air.
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Revision Date: 27.09.2010
Superseded date: 27.10.2005

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Specific Gravity : 0.95
Viscosity : 200 cSt at 25°C.
Oxidizing properties : No

The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

10. STABILITY AND REACTIVITY

10.1 Reactivity : This product releases methanol.
10.2 Stability : Stable under normal usage conditions.
10.3 Possibility of hazardous reactions : None known.
10.4 Conditions to avoid : Eliminate all possible sources of ignition.
10.5 Materials to avoid : Can react with strong oxidising agents.
10.6 Hazardous decomposition products : Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:
On contact with eyes : Causes serious eye irritation.
On skin contact : Irritating.
If inhaled : May cause dizziness, drowsiness, confusion, headaches, nausea, and at high concentrations, unconsciousness.
On ingestion : Forms methanol. Swallowing large amounts may cause systemic adverse effects and blindness.

Chronic toxicity:
On skin contact : Suspected of damaging the unborn child. Can irritate on prolonged or repeated contact. Repeated contact can cause sensitisation and allergic dermatitis. Repeated or prolonged contact may cause defatting of the skin, leading to dermatitis.
If inhaled : Suspected of damaging the unborn child. Prolonged or repeated inhalation may cause damage to specific organ(s) - see section 3. May cause dizziness, drowsiness, confusion, headaches, nausea, and at high concentrations, unconsciousness.
On ingestion : Suspected of damaging the unborn child. Repeated swallowing may cause systemic adverse effects.
DOW CORNING(R) CONSTRUCTION PRIMER P

**Toxicokinetics, metabolism and distribution**

Dangerous amounts can be absorbed through the skin.

**Other Health Hazard Information**

Product may emit formaldehyde vapour at temperatures above 150°C in the presence of air. Formaldehyde vapour is a suspected carcinogen, toxic by inhalation and irritating to eyes and the respiratory system. Exposure limits should be strictly respected.

1. Based on product test data.
2. Based on test data from similar products.

### 12. ECOLOGICAL INFORMATION

**12.1 Ecotoxicity effects**

No adverse effects on aquatic organisms are predicted.

**12.2 Persistence and degradability**

This product hydrolyses in water or moist air, releasing methanol and organosilicons. Organic solvents may evaporate into the atmosphere, where they degrade.

**12.3 Bioaccumulation**

Low potential to bioaccumulate.

**12.4 Release to waters / Mobility in soil**

**Fate and effects in waste water treatment plants:**

No adverse effects on bacteria are predicted.

**12.5 Results of PBT and vPvB assessment**

Not applicable.

### 13. DISPOSAL CONSIDERATIONS

**Product and packaging disposal**

Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

### 14. TRANSPORT INFORMATION

**Road / Rail (ADR/RID)**

**UN No.**

UN 1993
# DOW CORNING(R) CONSTRUCTION PRIMER P

**Proper Shipping Name**: FLAMMABLE LIQUID, N.O.S.(Toluene / 1-Butanol)

**Class**: 3

**Packing group**: II

**Labels**: 3

### Sea transport (IMDG)

**UN No.**: UN 1993

**Proper Shipping Name**: FLAMMABLE LIQUID, N.O.S.(Toluene / 1-Butanol)

**Class**: 3

**Packing group**: II

**Emergency Schedule (EmS)**: F-E  
S-E

**Labels**: flammable liquid

### Air transport (IATA)

**UN No.**: UN 1993

**Proper Shipping Name**: Flammable liquid, n.o.s.(Toluene / 1-Butanol)

**Class**: 3

**Packing group**: II

**Labels**: Flammable Liquid

## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**Status**

**EINECS**: All ingredients listed, exempt or notified (ELINCS).

**TSCA**: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**IECSC**: All ingredients listed or exempt.

**KECL**: All ingredients listed, exempt or notified.

**PICCS**: All ingredients listed, exempt or notified.
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DSL : All ingredients listed or exempt.

16. OTHER INFORMATION

This product safety data sheet was prepared in compliance with article 31 and Annex II of the EU REACH Regulation as well as its relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the Dow Corning product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Dow Corning Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex II of the EU REACH Regulation.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. Dow Corning shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local Dow Corning supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary - even for the same product - between different countries, reflecting the different compliance requirements. Should you have any question, please refer to your local Dow Corning supplier.

Source of information: Internal data and publically available information

R10 Flammable., R11 Highly flammable., R22 Harmful if swallowed., R37/38 Irritating to respiratory system and skin., R38 Irritating to skin., R41 Risk of serious damage to eyes., R43 May cause sensitization by skin contact., R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation., R63 Possible risk of harm to the unborn child., R65 Harmful: May cause lung damage if swallowed., R67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour., H226 Flammable liquid and vapour., H302 Harmful if swallowed., H304 May be fatal if swallowed and enters airways., H315 Causes skin irritation., H317 May cause an allergic skin reaction., H318 Causes serious eye damage., H335 May cause respiratory irritation., H336 May cause drowsiness or dizziness., H361d Suspected of damaging the unborn child.