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

<table>
<thead>
<tr>
<th>1.1 Product name</th>
<th>DOW CORNING(R) 772 WATER REPELLENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2 Identified uses</td>
<td>Impregnation agents</td>
</tr>
<tr>
<td>Uses advised against</td>
<td>None known.</td>
</tr>
<tr>
<td>1.3 Company</td>
<td>Dow Corning Europe S.A.</td>
</tr>
<tr>
<td></td>
<td>rue Jules Bordet - Parc Industriel - Zone C</td>
</tr>
<tr>
<td></td>
<td>B-7180 Seneffe</td>
</tr>
<tr>
<td></td>
<td>Belgium</td>
</tr>
<tr>
<td>E-mail address (Safety Data Sheet)</td>
<td><a href="mailto:sdseu@dowcorning.com">sdseu@dowcorning.com</a></td>
</tr>
<tr>
<td>Customer Service</td>
<td>English Tel: +49 611237507</td>
</tr>
<tr>
<td></td>
<td>Deutsch Tel: +49 611237500</td>
</tr>
<tr>
<td></td>
<td>Français Tel: +32 64511149</td>
</tr>
<tr>
<td></td>
<td>Italiano Tel: +32 64511170</td>
</tr>
<tr>
<td></td>
<td>Español Tel: +32 64511163</td>
</tr>
<tr>
<td></td>
<td>Fax: +32 64888683</td>
</tr>
<tr>
<td>1.4 Emergency Phone Number</td>
<td>Dow Corning (Barry U.K. 24h) Tel: +44 1446732350</td>
</tr>
<tr>
<td></td>
<td>Dow Corning (Wiesbaden 24h) Tel: +49 61122158</td>
</tr>
<tr>
<td></td>
<td>Dow Corning (Seneffe 24h) Tel: +32 64 888240</td>
</tr>
</tbody>
</table>

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

- R35 Causes severe burns.

### 2.2 Label elements

#### Labelling according to EEC Directive

<table>
<thead>
<tr>
<th>Contains</th>
<th>Sodium methyl silicate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symbols</td>
<td>C Corrosive.</td>
</tr>
<tr>
<td>R-phrases</td>
<td>R35 Causes severe burns.</td>
</tr>
<tr>
<td>S-phrases</td>
<td>S2 Keep out of the reach of children.</td>
</tr>
<tr>
<td></td>
<td>S23(S) Do not breathe spray.</td>
</tr>
<tr>
<td></td>
<td>S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</td>
</tr>
<tr>
<td></td>
<td>S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.</td>
</tr>
<tr>
<td></td>
<td>S45 In case of accident or if you feel unwell, seek medical advice immediately (show the</td>
</tr>
</tbody>
</table>
DOW CORNING(R) 772 WATER REPELLENT

label where possible).
S51 Use only in well-ventilated areas.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Silicate

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>Sodium methyl silicate</td>
<td>16589-43-8</td>
<td>240-648-3</td>
<td></td>
<td>32.0</td>
<td>C R35</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>200-659-6</td>
<td></td>
<td>0.9</td>
<td>F R11 T R23/24/25 R39/23/24/25</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>
<th>Conc. (% w/w)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium methyl silicate</td>
<td>16589-43-8</td>
<td>240-648-3</td>
<td></td>
<td>32.0</td>
<td>Skin corrosion/irritation: Category 1A - H314</td>
</tr>
</tbody>
</table>

For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-Statements mentioned in this Section, see Section 16.
CLP classifications are based on all current available data including from known international organizations. These classifications are subject to revision as more information becomes available.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures:

On contact with eyes: Rinse immediately with plenty of water and seek medical advice.

On skin contact: Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention.
DOW CORNING(R) 772 WATER REPELLENT

<table>
<thead>
<tr>
<th>If inhaled</th>
<th>Remove to fresh air.</th>
</tr>
</thead>
<tbody>
<tr>
<td>On ingestion</td>
<td>Do not induce vomiting. Obtain medical attention immediately.</td>
</tr>
</tbody>
</table>

### 4.2 Most important symptoms/effects, acute and delayed

Causes severe burns.

### 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

None known.

#### 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. Chlorine compounds.

#### 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

Wear proper protective equipment.

#### 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. 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 recommended. Local ventilation is recommended. Do not breathe vapour. Do not breathe spray or mist. Avoid skin and eye contact. Do not empty into drains.

7.2 Advice on storage: Do not store with oxidizing agents.
Storage temperature: minimum -18 °C, maximum 66 °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>Methanol</td>
<td>67-56-1</td>
<td>200 ppm TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>250 ppm STEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>266 mg/m3 TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>333 mg/m3 STEL</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.

A suitable respirator must be worn if the product is used in any circumstances where an aerosol or mist may be generated, such as during spraying or similar activities. Depending on the working conditions, wear a respiratory mask with filter(s) AXP 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: Suitable, heavy duty, plastic or rubber gauntlets should be worn: Nitrile rubber. Neoprene 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.
DOW CORNING(R) 772 WATER REPELLENT

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: Very little
pH: 13
Boiling point/range: 100 °C
Flash point: > 100 °C (Closed Cup)
Explosive properties: No
Specific Gravity: 1.25
Viscosity: 10 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: None known.
10.2 Stability: Stable under normal usage conditions.
10.3 Possibility of hazardous reactions: None known.
10.4 Conditions to avoid: None established.
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. Chlorine compounds.
11. TOXICOLOGICAL INFORMATION

Acute toxicity:

On contact with eyes: Causes serious eye damage.

On skin contact: Corrosive - causes severe burns.

If inhaled: No adverse effects are normally expected.

On ingestion: Corrosive - burns the mouth, throat and stomach.

Chronic toxicity:

On skin contact: Corrosive - causes severe burns.

If inhaled: No adverse effects are normally expected.

On ingestion: Corrosive - burns the mouth, throat and stomach.

Toxicokinetics, metabolism and distribution: No specific information is available.

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.

12.2 Persistence and degradability

Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.

12.3 Bioaccumulation

No bioaccumulation potential.

12.4 Release to waters / Mobility in soil

Fate and effects in waste water treatment plants:

Removed > 90% by binding onto sewage sludge. No adverse effects on bacteria. The siloxanes in this product do not contribute to the BOD.
SAFETY DATA SHEET
According to article 31 and Annex II of the EU REACH Regulation

Version: 2.0
Revision Date: 24.01.2011
Superseded date: 23.01.2006

DOW CORNING(R) 772 WATER REPELLENT

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 1719
- **Proper Shipping Name:** CAUSTIC ALKALI LIQUID, N.O.S.(Sodium methyl siliconate)
- **Class:** 8
- **Packing group:** II
- **Labels:** 8

**Sea transport (IMDG)**
- **UN No.:** UN 1719
- **Proper Shipping Name:** CAUSTIC ALKALI LIQUID, N.O.S.(Sodium methyl siliconate)
- **Class:** 8
- **Packing group:** II
- **Emergency Schedule (EmS):**
  - F-A
  - S-B
- **Labels:** corrosive

**Air transport (IATA)**
- **UN No.:** UN 1719
- **Proper Shipping Name:** Caustic alkali liquid, n.o.s.(Sodium methyl siliconate)
- **Class:** 8
- **Packing group:** II
- **Labels:** Corrosive
## 15. REGULATORY INFORMATION

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

<table>
<thead>
<tr>
<th>Status</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS</td>
<td>All ingredients listed, exempt or notified (ELINCS).</td>
</tr>
<tr>
<td>TSCA</td>
<td>All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.</td>
</tr>
<tr>
<td>AICS</td>
<td>All ingredients listed, exempt or notified.</td>
</tr>
<tr>
<td>IECSC</td>
<td>All ingredients listed or exempt.</td>
</tr>
<tr>
<td>KECL</td>
<td>All ingredients listed, exempt or notified.</td>
</tr>
<tr>
<td>PICCS</td>
<td>All ingredients listed, exempt or notified.</td>
</tr>
<tr>
<td>DSL</td>
<td>All ingredients listed or exempt.</td>
</tr>
</tbody>
</table>
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

R11 Highly flammable., R23/24/25 Toxic by inhalation, in contact with skin and if swallowed., R35 Causes severe burns., R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

H225 Highly flammable liquid and vapour., H301 Toxic if swallowed., H311 Toxic in contact with skin., H314 Causes severe skin burns and eye damage., H331 Toxic if inhaled.