

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

#### 1.1. Product identifier

Product form : Mixture  
 Product name : PROTECSOL GE 08

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Emulsion curing product. Application by spraying

##### 1.2.2. Uses advised against

No additional information available

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

Technique Béton  
 Z.I. Avenue Albert Einstein  
 77555 Moissy-Cramayel - FRANCE  
 T +33 1 64 13 30 82 - F +33 1 60 60 21 28  
[fds@technique-beton.fr](mailto:fds@technique-beton.fr)

#### 1.4. Emergency telephone number

| Country        | Organisation/Company   | Address                           | Emergency number  |
|----------------|--|-----------------------------------|---|
| UNITED KINGDOM | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH Birmingham | 0844 892 0111 (UK only,<br>Monday to Friday, 08.00 to<br>18.00 hours) |

### SECTION 2: Hazards identification

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

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

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

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

##### Labelling according to Directive 67/548/EEC or 1999/45/EC

R-phrases : None  
 S-phrases : S60 - This material and its container must be disposed of as hazardous waste  
 Extra phrases : Safety data sheet available for professional user on request

#### 2.3. Other hazards

Other hazards not contributing to the classification : None, to our knowledge.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Description: : Mixture of wax emulsion

| Name                          | Product identifier                       | %     | Classification according to Directive 67/548/EEC                |
|-------------------------------|--|-------|---|
| Alcohols, C16-18, ethoxylated | (CAS No) 68439-49-6<br>(EC no) 500-212-8 | 1 - 5 | Xi; R41<br>Xn; R22  |
| Name                          | Product identifier                       | %     | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
| Alcohols, C16-18, ethoxylated | (CAS No) 68439-49-6<br>(EC no) 500-212-8 | 1 - 5 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318                   |

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## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Full text of R- and H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Immediately remove contaminated clothing or footwear.                            |
| 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 | : Wash with soapy water. If irritation persists, consult a doctor.                 |
| First-aid measures after eye contact  | : Rinse with plenty of water. Consult an eye specialist.                           |
| First-aid measures after ingestion    | : Seek medical attention if ill effect develops.                                   |

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

|                   |  |
|-------------------|--|
| Symptoms/injuries | : No specific effects and/or symptoms are known. |
|-------------------|--|

#### 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. Powder. Carbon dioxide (CO <sub>2</sub> ). |
| Unsuitable extinguishing media | : None known.   |

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

|  |                           |
|--|---------------------------|
| Hazardous decomposition products in case of fire | : None, to our knowledge. |
|--|---------------------------|

#### 5.3. Advice for firefighters

|                           |  |
|---------------------------|--|
| Firefighting instructions | : Contain the extinguishing fluids by bunding. Do not dispose of fire-fighting water in the environment. Dispose of in accordance with relevant local regulations. |
|---------------------------|--|

### SECTION 6: Accidental release measures

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

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

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

##### 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

Do not discharge into drains or rivers. Avoid sub-soil penetration. Notify authorities if liquid enters sewers or public waters.

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

|                         |   |
|-------------------------|---|
| For containment         | : Absorb non-recoverable liquid with: inert absorbent material, Sand. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Dispose of in accordance with relevant local regulations. |
| Methods for cleaning up | : Wash contaminated area with large amounts of water.   |
| Other information       | : Recover the cleaning water for subsequent disposal.   |

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of contaminated materials refer to section 13: "Disposal considerations".

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                               |                                     |
|-------------------------------|-------------------------------------|
| Precautions for safe handling | : Avoid contact with skin and eyes. |
|-------------------------------|-------------------------------------|

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

|                    |  |
|--------------------|--|
| Storage conditions | : Store in original container. Keep the container hermetically sealed. Protect from heat and direct sunlight. Keep out of frost. Install a retention tank. (Polyethylene). |
|--------------------|--|

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

None.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

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### 8.2. Exposure controls

|                                  |   |
|----------------------------------|---|
| Appropriate engineering controls | : Does not require any specific or particular technical measures. |
| Personal protective equipment    | : Gloves. Safety glasses. Protective clothing.                    |
| Hand protection                  | : Nitrile-rubber protective gloves                                |
| Eye protection                   | : Safety glasses with side shields                                |
| Skin and body protection         | : Use chemically protective clothing                              |
| Respiratory protection           | : Not required for normal conditions of use                       |



Environmental exposure controls : Do not flush into surface water or sewer system. Avoid sub-soil penetration.

## SECTION 9: Physical and chemical properties

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

|   |  |
|---|--|
| Physical state                              | : Liquid                                   |
| Colour                                      | : white.                                   |
| Odour                                       | : characteristic.                          |
| Odour threshold                             | : No data available                        |
| pH  | : 4  |
| Relative evaporation rate (butyl acetate=1) | : No data available                        |
| Melting point                               | : No data available                        |
| Freezing point                              | : No data available                        |
| Boiling point                               | : No data available                        |
| Flash point                                 | : Not applicable                           |
| 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                            | : 0,98 kg/l                                |
| Solubility                                  | : Water: Soluble                           |
| Log Pow                                     | : No data available                        |
| Viscosity, kinematic                        | : Flow time : 27 seconds (cup ISO 3, 20°C) |
| Viscosity, dynamic                          | : No data available                        |
| Explosive properties                        | : Not explosive.                           |
| Oxidising properties                        | : Non oxidizing material.                  |
| Explosive limits                            | : No data available                        |

### 9.2. Other information

VOC content : < 0,6 % (calculated value)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

To our knowledge, the product does not present any particular risk, 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

Extremely high or low temperatures.

### 10.5. Incompatible materials

None to our knowledge.

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### 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 : Not classified (Based on available data, the classification criteria are not met)

| Alcohols, C16-18, ethoxylated (68439-49-6) |  |
|--|--|
| LD50 oral rat                              | 1260 mg/kg   |
| Irritation                                 | : Not classified (Lack of data)<br>pH: 4   |
| Corrosivity                                | : Not classified (Based on available data, the classification criteria are not met)<br>pH: 4                       |
| Sensitisation                              | : Not classified (Based on available data, the classification criteria are not met)<br>No sensitizing effect known |
| Repeated dose toxicity                     | : Not classified (Based on available data, the classification criteria are not met)                                |
| Carcinogenicity                            | : Not classified (Based on available data, the classification criteria are not met)                                |
| Mutagenicity                               | : Not classified (Based on available data, the classification criteria are not met)                                |
| Toxicity for reproduction                  | : Not classified (Based on available data, the classification criteria are not met)                                |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

### 12.2. Persistence and degradability

| Alcohols, C16-18, ethoxylated (68439-49-6) |                        |
|--|------------------------|
| Persistence and degradability              | 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

Waste treatment methods : Do not dispose of with domestic waste. Dispose of in accordance with relevant local regulations. Empty the packaging completely prior to disposal. Do not re-use empty containers.

Sewage disposal recommendations : Do not flush down sewers.

Additional information : The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal.

European List of Waste (LoW) code : 16 10 01\* - aqueous liquid wastes containing dangerous substances  
15 01 10\* - packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

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

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|---|----------------|----------------|----------------|----------------|
| <b>14.1. UN number</b>                  |                |                |                |                |
| Not regulated for transport             |                |                |                |                |
| <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 |
| 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 |

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| ADR                                | IMDG  | IATA                               | ADN                                | RID                                |
|------------------------------------|---|------------------------------------|------------------------------------|------------------------------------|
|                                    |   |                                    |                                    |                                    |
| <b>14.5. Environmental hazards</b> |   |                                    |                                    |                                    |
| Dangerous for the environment : No | Dangerous for the environment : No<br>Marine pollutant : No | Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No |

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

#### 14.6.2. Transport by sea

#### 14.6.3. Air transport

#### 14.6.4. Inland waterway transport

#### 14.6.5. Rail transport

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 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 substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : < 0,6 % (calculated value)

#### 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

Data sources : SDS of suppliers. GESTIS database.

Other information : Safety data sheet established by : LISAM SERVICES - TELEGIS  
17, Rue de la Couture F-60400 PASSEL  
Safety Made Easy with [www.lisam.com](http://www.lisam.com).

Full text of R-, H- and EUH-phrases:

|                     |   |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4             |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1 |
| H302                | Harmful if swallowed                          |
| H318                | Causes serious eye damage                     |
| R22                 | Harmful if swallowed                          |
| R41                 | Risk of serious damage to eyes                |
| Xi                  | Irritant                                      |
| Xn                  | Harmful                                       |

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*