

**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

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
UNITED KINGDOM	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only, Monday to Friday, 08.00 to 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 (EC no) 500-212-8	1 - 5	Xi; R41 Xn; R22

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alcohols, C16-18, ethoxylated	(CAS No) 68439-49-6 (EC no) 500-212-8	1 - 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

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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.
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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 ₂).
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.
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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.
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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".
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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".
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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.
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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).
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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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according to Regulation (EC) No. 453/2010

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.
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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)
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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) pH: 4
Corrosivity	: Not classified (Based on available data, the classification criteria are not met) pH: 4
Sensitisation	: Not classified (Based on available data, the classification criteria are not met) 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
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	IATA	ADN	RID
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No 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.

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