

## Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

#### 1.1. Product identifier

Code: 0584MS05-02-  
Product name: GEOACRIL - FONDO/FINITURA ALL'ACQUA 5 GLOSS WB SELF/SEALER 5 GLOSS TRASPARENTE/TRANSPARENT

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

Intended use: Acrylic water borne paint

| Identified Uses                                       | Industrial                         | Professional | Consumer |
|---|------------------------------------|--------------|----------|
| Waterborne coating for wood and plastic for interiors | PROC: 7.<br>AC: 11, 13.<br>PC: 9a. | -            | -        |

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

Name: ALCEA S.p.A.  
Full address: Via Piemonte 18  
District and Country: 20030 Senago (MI)  
Italy  
Tel: +39.02-99014-1 (centralino)  
Fax: +39.02-99014-300

e-mail address of the competent person responsible for the Safety Data Sheet

Ufficio Tecnico (msds@alcea.com)

Supplier:

Ufficio Tecnico (msds@alcea.com)

#### 1.4. Emergency telephone number

For urgent inquiries refer to

Ireland: (+353) 18092566  
United Kingdom: 111

ALCEA Technical Office Tel. +39.02-99014-220/221 (from monday to friday 8.00-12.00 a.m./1.00-5.00 p.m.)

**CENTRI ANTIVELENI (CAV)**  
- Osp. Niguarda Ca' Granda  
Piazza Ospedale Maggiore, 3 - 20162 - Milano - Tel: 02-66101029  
- Az. Osp. Papa Giovanni XXIII  
Piazza OMS, 1 - 24127 - Bergamo - Tel: 800883300  
- CAV Centro Nazionale di Informazione Tossicologica  
Via Salvatore Maugeri, 10 - 27100 - Pavia - Tel: 0382-24444  
- Az. Osp. Careggi - U.O. Tossicologia Medica  
L.go Brambilla, 3 - 50134 - Firenze - Tel: 055-7947819  
- CAV Policlinico A. Gemelli  
L.go A. Gemelli, 8 - 00168 - Roma - Tel: 06-3054343  
- CAV Policlinico Umberto I  
V.le del Policlinico, 155 - 00161 - Roma - Tel: 06-49978000  
- CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA  
Piazza Sant'Onofrio, 4 - 00165 - Roma - Tel: 06-68593726  
- Az. Osp. Univ. Foggia  
V.le Luigi Pinto, 1 - 71122 - Foggia - Tel: 0881-732326  
- Az. Osp. A. Cardarelli  
Via A. Cardarelli, 9 - 80131 - Napoli - Tel: 081-7472870  
- Azienda Ospedaliera Integrata Verona  
Piazzale Aristide Stefani, 1 - 37126 - Verona - Tel: 800011858

**SECTION 2. Hazards identification****2.1. Classification of the substance or mixture**

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication: --

**2.2. Label elements**

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Signal words: --

Hazard statements:  
**EUH210** Safety data sheet available on request.

Precautionary statements:  
**P501** Dispose of the product / container in an ecological platform.

**2.3. Other hazards**

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

**SECTION 3. Composition/information on ingredients****3.2. Mixtures**

Contains:

| Identification                             | x = Conc. %           | Classification (EC) 1272/2008 (CLP)                         |
|--|-----------------------|---|
| <b>Cera Polipropilenica</b>                |                       |   |
| CAS  | $3 \leq x < 3,5$      | <b>EUH209A</b>  |
| EC   |                       |   |
| INDEX                                      |                       |   |
| <b>DIPROPYLENE GLYCOL MONOMETHYL ETHER</b> |                       |   |
| CAS  | $2,5 \leq x < 3$      | <b>Substance with a community workplace exposure limit.</b> |
| EC   | 252-104-2             |   |
| INDEX                                      |                       |   |
| REACH Reg.                                 | 01-2119450011-60-XXXX |   |

The full wording of hazard (H) phrases is given in section 16 of the sheet.

**SECTION 4. First aid measures****4.1. Description of first aid measures**

Not specifically necessary. Observance of good industrial hygiene is recommended.

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

Specific information on symptoms and effects caused by the product are unknown.

**4.3. Indication of any immediate medical attention and special treatment needed**

Information not available

## SECTION 5. Firefighting measures

### 5.1. Extinguishing media

#### SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

#### UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

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

#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

### 5.3. Advice for firefighters

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures

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

Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

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

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

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

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s)

Information not available

## SECTION 8. Exposure controls/personal protection

## 8.1. Control parameters

## Regulatory References:

|     |                 |  |
|-----|-----------------|--|
| BGR | България        | НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари 2020г.)   |
| CZE | Česká Republika | Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů   |
| DEU | Deutschland     | Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56  |
| ESP | España          | Límites de exposición profesional para agentes químicos en España 2021   |
| FRA | France          | Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS   |
| GRC | Ελλάδα          | Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ "σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιογόνους παράγοντες κατά την εργασία"» |
| HUN | Magyarország    | Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről  |
| HRV | Hrvatska        | Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)   |
| ITA | Italia          | Decreto Legislativo 9 Aprile 2008, n.81  |
| NLD | Nederland       | Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit  |
| PRT | Portugal        | Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissional indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos  |
| POL | Polska          | Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy  |
| ROU | România         | Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006  |
| SVK | Slovensko       | NARIADENIE VLÁDY Slovenskej republiky z 12. augusta 2020, ktorým sa mení a dopĺňa nariadenie vlády Slovenskej republiky č. 356/2006 Z. z. o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym a mutagénnym faktorom pri práci v znení neskorších predpisov   |
| SVN | Slovenija       | Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)  |
| TUR | Türkiye         | Kimyasal Maddelerle Çalışmalarda Sağlık ve Güvenlik Önlemleri Hakkında Yönetmelik 12.08.2013 / 28733   |
| GBR | United Kingdom  | EH40/2005 Workplace exposure limits (Fourth Edition 2020)  |
| EU  | OEL EU          | Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.  |
|     | TLV-ACGIH       | ACGIH 2021   |

## AMMONIACA

## Threshold Limit Value

| Type | Country | TWA/8h |     | STEL/15min |     | Remarks / Observations |
|------|---------|--------|-----|------------|-----|------------------------|
|      |         | mg/m3  | ppm | mg/m3      | ppm |                        |
| OEL  | EU      | 14     | 20  | 36         | 50  |                        |

## Predicted no-effect concentration - PNEC

|                              |        |      |
|------------------------------|--------|------|
| Normal value in fresh water  | 0,0011 | mg/l |
| Normal value in marine water | 0,011  | mg/l |

## Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |          |         |          | Effects on workers |          |         |          |
|-------------------|----------------------|----------|---------|----------|--------------------|----------|---------|----------|
|                   | Acute                | Acute    | Chronic | Chronic  | Acute              | Chronic  | Chronic | Chronic  |
| Inhalation        | local                | systemic | local   | systemic | local              | systemic | local   | systemic |
|                   |                      |          |         |          |                    | 36       |         | 14       |
|                   |                      |          |         |          |                    | mg/m3    |         | mg/m3    |
| Skin              |                      |          |         |          |                    | 6,8      |         |          |
|                   |                      |          |         |          |                    | mg/kg/d  |         |          |

## SECTION 8. Exposure controls/personal protection ... / &gt;&gt;

## DIPROPYLENE GLYCOL MONOMETHYL ETHER

## Threshold Limit Value

| Type      | Country | TWA/8h            |       | STEL/15min        |      | Remarks / Observations |
|-----------|---------|-------------------|-------|-------------------|------|------------------------|
|           |         | mg/m <sup>3</sup> | ppm   | mg/m <sup>3</sup> | ppm  |                        |
| TLV       | BGR     | 308               | 50    |                   |      | SKIN                   |
| TLV       | CZE     | 270               | 43,74 | 550               | 89,1 | SKIN                   |
| AGW       | DEU     | 310               | 50    | 310               | 50   |                        |
| MAK       | DEU     | 310               | 50    | 310               | 50   |                        |
| VLA       | ESP     | 308               | 50    |                   |      | SKIN                   |
| VLEP      | FRA     | 308               | 50    |                   |      | SKIN                   |
| TLV       | GRC     | 600               | 100   | 900               | 150  |                        |
| AK        | HUN     | 308               |       |                   |      |                        |
| GVI/KGVI  | HRV     | 308               | 50    |                   |      | SKIN                   |
| VLEP      | ITA     | 308               | 50    |                   |      | SKIN                   |
| TGG       | NLD     | 300               |       |                   |      |                        |
| VLE       | PRT     | 308               | 50    |                   |      | SKIN                   |
| NDS/NDSch | POL     | 240               |       | 480               |      | SKIN                   |
| TLV       | ROU     | 308               | 50    |                   |      | SKIN                   |
| NPEL      | SVK     | 308               | 50    |                   |      | SKIN                   |
| MV        | SVN     | 308               | 50    |                   |      | SKIN                   |
| ESD       | TUR     | 308               | 50    |                   |      | SKIN                   |
| WEL       | GBR     | 308               | 50    |                   |      | SKIN                   |
| OEL       | EU      | 308               | 50    |                   |      | SKIN                   |

## Predicted no-effect concentration - PNEC

|  |      |         |
|--|------|---------|
| Normal value in fresh water                  | 19   | mg/l    |
| Normal value in marine water                 | 1,9  | mg/l    |
| Normal value for fresh water sediment        | 70,2 | mg/kg/d |
| Normal value for marine water sediment       | 7,02 | mg/kg/d |
| Normal value for water, intermittent release | 190  | mg/l    |
| Normal value of STP microorganisms           | 4168 | mg/l    |
| Normal value for the terrestrial compartment | 2,74 | mg/kg/d |

## Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |                |               | Effects on workers        |             |                |               |                      |
|-------------------|----------------------|----------------|---------------|---------------------------|-------------|----------------|---------------|----------------------|
|                   | Acute local          | Acute systemic | Chronic local | Chronic systemic          | Acute local | Acute systemic | Chronic local | Chronic systemic     |
| Oral              |                      |                |               | 36<br>mg/kg bw/d          |             |                |               |                      |
| Inhalation        |                      |                |               | 37,2<br>mg/m <sup>3</sup> |             |                |               | 308<br>mg/kg         |
| Skin              |                      |                |               | 121<br>mg/kg bw/d         |             |                |               | 283<br>mg/kg<br>bw/d |

## 2-PHENOXYETHANOL

## Threshold Limit Value

| Type      | Country | TWA/8h            |     | STEL/15min        |       | Remarks / Observations |
|-----------|---------|-------------------|-----|-------------------|-------|------------------------|
|           |         | mg/m <sup>3</sup> | ppm | mg/m <sup>3</sup> | ppm   |                        |
| AGW       | DEU     | 5,7               | 1   | 5,7 (C)           | 1 (C) |                        |
| MAK       | DEU     | 5,7               | 1   | 5,7               | 1     |                        |
| NDS/NDSch | POL     | 230               |     |                   |       |                        |
| MV        | SVN     | 110               | 20  | 110               | 20    | SKIN                   |

## SECTION 8. Exposure controls/personal protection ... / &gt;&gt;

## 2-BUTOXYETHANOL

## Threshold Limit Value

| Type      | Country | TWA/8h            |      | STEL/15min        |        | Remarks / Observations |
|-----------|---------|-------------------|------|-------------------|--------|------------------------|
|           |         | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> | ppm    |                        |
| TLV       | BGR     | 98                | 20   | 246               | 50     | SKIN                   |
| TLV       | CZE     | 100               | 20,4 | 200               | 40,8   | SKIN                   |
| AGW       | DEU     | 49                | 10   | 98 (C)            | 20 (C) | SKIN                   |
| MAK       | DEU     | 49                | 10   | 98                | 20     | SKIN Hinweis           |
| VLA       | ESP     | 98                | 20   | 245               | 50     | SKIN                   |
| VLEP      | FRA     | 49                | 10   | 246               | 50     | SKIN                   |
| TLV       | GRC     | 120               | 25   |                   |        |                        |
| AK        | HUN     | 98                |      | 246               |        | SKIN                   |
| GVI/KGVI  | HRV     | 98                | 20   | 246               | 50     | SKIN                   |
| VLEP      | ITA     | 98                | 20   | 246               | 50     | SKIN                   |
| TGG       | NLD     | 100               |      | 246               |        | SKIN                   |
| VLE       | PRT     | 98                | 20   | 246               | 50     | SKIN                   |
| NDS/NDSch | POL     | 98                |      | 200               |        | SKIN                   |
| TLV       | ROU     | 98                | 20   | 246               | 50     | SKIN                   |
| NPEL      | SVK     | 98                | 20   | 246               | 50     | SKIN                   |
| MV        | SVN     | 98                | 20   | 246               | 50     | SKIN                   |
| ESD       | TUR     | 98                | 20   | 246               | 50     | SKIN                   |
| WEL       | GBR     | 123               | 25   | 246               | 50     | SKIN                   |
| OEL       | EU      | 98                | 20   | 246               | 50     | SKIN                   |
| TLV-ACGIH |         | 97                | 20   |                   |        |                        |

## Predicted no-effect concentration - PNEC

|   |      |       |
|---|------|-------|
| Normal value in fresh water                           | 8,8  | mg/l  |
| Normal value in marine water                          | 0,88 | mg/l  |
| Normal value for fresh water sediment                 | 34,6 | mg/kg |
| Normal value for marine water sediment                | 3,46 | mg/kg |
| Normal value for water, intermittent release          | 9,1  | mg/l  |
| Normal value of STP microorganisms                    | 463  | mg/l  |
| Normal value for the food chain (secondary poisoning) | 20   | mg/kg |

## Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers     |                          |               |                         | Effects on workers |                            |               |                  |
|-------------------|--------------------------|--------------------------|---------------|-------------------------|--------------------|----------------------------|---------------|------------------|
|                   | Acute local              | Acute systemic           | Chronic local | Chronic systemic        | Acute local        | Acute systemic             | Chronic local | Chronic systemic |
| Oral              |                          | 26,7<br>mg/kg/d          |               | 6,3<br>mg/kg/d          |                    |                            |               |                  |
| Inhalation        | 426<br>mg/m <sup>3</sup> | 147<br>mg/m <sup>3</sup> |               | 59<br>mg/m <sup>3</sup> |                    | 1,091<br>mg/m <sup>3</sup> |               | 98<br>mg/kg      |
| Skin              |                          | 89<br>mg/kg/d            |               | 75<br>mg/kg/d           |                    | 89<br>mg/kg/d              |               | 125<br>mg/kg/d   |

## SECTION 8. Exposure controls/personal protection ... / &gt;&gt;

## 1-METHOXY-2-PROPANOL

## Threshold Limit Value

| Type      | Country | TWA/8h            |       | STEL/15min        |        | Remarks / Observations |
|-----------|---------|-------------------|-------|-------------------|--------|------------------------|
|           |         | mg/m <sup>3</sup> | ppm   | mg/m <sup>3</sup> | ppm    |                        |
| TLV       | BGR     | 375               | 100   | 568               | 150    | SKIN                   |
| TLV       | CZE     | 270               | 72,09 | 550               | 146,85 | SKIN                   |
| AGW       | DEU     | 370               | 100   | 740               | 200    |                        |
| MAK       | DEU     | 370               | 100   | 740               | 200    |                        |
| VLA       | ESP     | 375               | 100   | 568               | 150    | SKIN                   |
| VLEP      | FRA     | 188               | 50    | 375               | 100    | SKIN                   |
| TLV       | GRC     | 360               | 100   | 1080              | 300    |                        |
| AK        | HUN     | 375               |       | 568               |        | SKIN                   |
| GVI/KGVI  | HRV     | 375               | 100   | 568               | 150    |                        |
| VLEP      | ITA     | 375               | 100   | 568               | 150    | SKIN                   |
| TGG       | NLD     | 375               |       | 563               |        | SKIN                   |
| VLE       | PRT     | 375               | 100   | 568               | 150    |                        |
| NDS/NDSch | POL     | 180               |       | 360               |        | SKIN                   |
| TLV       | ROU     | 375               | 100   | 568               | 150    | SKIN                   |
| NPEL      | SVK     | 375               | 100   | 568               | 150    | SKIN                   |
| MV        | SVN     | 375               | 100   | 568               | 150    | SKIN                   |
| ESD       | TUR     | 375               | 100   | 568               | 150    | SKIN                   |
| WEL       | GBR     | 375               | 100   | 560               | 150    | SKIN                   |
| OEL       | EU      | 375               | 100   | 568               | 150    | SKIN                   |
| TLV-ACGIH |         | 184               | 50    | 368               | 100    |                        |

## Predicted no-effect concentration - PNEC

|   |      |       |
|---|------|-------|
| Normal value in fresh water                           | 10   | mg/l  |
| Normal value in marine water                          | VND  |       |
| Normal value for fresh water sediment                 | 41,6 | mg/kg |
| Normal value for marine water sediment                | 4,17 | mg/kg |
| Normal value for water, intermittent release          | VND  |       |
| Normal value of STP microorganisms                    | 100  | mg/l  |
| Normal value for the food chain (secondary poisoning) | VND  |       |
| Normal value for the terrestrial compartment          | 2,47 | mg/kg |
| Normal value for the atmosphere                       | VND  |       |

## Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |                |               |                  | Effects on workers      |                |               |                       |
|-------------------|----------------------|----------------|---------------|------------------|-------------------------|----------------|---------------|-----------------------|
|                   | Acute local          | Acute systemic | Chronic local | Chronic systemic | Acute local             | Acute systemic | Chronic local | Chronic systemic      |
| Oral              | VND                  | VND            | VND           |                  | VND                     | VND            | VND           | VND                   |
| Inhalation        | VND                  | VND            | VND           | 3,3 mg/kg/d      | 553,5 mg/m <sup>3</sup> | VND            | VND           | 369 mg/m <sup>3</sup> |
| Skin              | VND                  | VND            | VND           | 18,1 mg/kg/d     | VND                     | VND            | VND           | 50,6 mg/kg/d          |

## Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.  
VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

## 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

## HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

## SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

## EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

## RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are

**SECTION 8. Exposure controls/personal protection** ... / >>

required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

**ENVIRONMENTAL EXPOSURE CONTROLS**

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

**SECTION 9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

| Properties                             | Value                             | Information |
|--|-----------------------------------|-------------|
| Appearance                             | liquid                            |             |
| Colour                                 | colourless                        |             |
| Odour                                  | Lightly ammonia                   |             |
| Melting point / freezing point         | Not available                     |             |
| Initial boiling point                  | 100 °C                            |             |
| Flammability                           | Not available                     |             |
| Lower explosive limit                  | Not available                     |             |
| Upper explosive limit                  | Not available                     |             |
| Flash point                            | Not applicable                    |             |
| Auto-ignition temperature              | Not available                     |             |
| pH                                     | 7.5-8.5                           |             |
| Kinematic viscosity                    | >20,5 mm <sup>2</sup> /sec (40°C) |             |
| Solubility                             | miscible                          |             |
| Partition coefficient: n-octanol/water | Not available                     |             |
| Vapour pressure                        | Not available                     |             |
| Density and/or relative density        | 1,036                             |             |
| Relative vapour density                | Not available                     |             |
| Particle characteristics               | Not applicable                    |             |

**9.2. Other information**

## 9.2.1. Information with regard to physical hazard classes

Information not available

## 9.2.2. Other safety characteristics

|                              |         |         |         |
|------------------------------|---------|---------|---------|
| Total solids (250°C / 482°F) | 31,76 % |         |         |
| VOC (Directive 2010/75/EU)   | 3,99 %  | - 41,37 | g/litre |
| VOC (volatile carbon)        | 2,31 %  | - 23,96 | g/litre |

**SECTION 10. Stability and reactivity****10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

## DIPROPYLENE GLYCOL MONOMETHYL ETHER

Forms peroxides with: air.

**10.2. Chemical stability**

The product is stable in normal conditions of use and storage.

**10.3. Possibility of hazardous reactions**

No hazardous reactions are foreseeable in normal conditions of use and storage.

## DIPROPYLENE GLYCOL MONOMETHYL ETHER

May react violently with: strong oxidising agents.

**10.4. Conditions to avoid**

None in particular. However the usual precautions used for chemical products should be respected.

**SECTION 10. Stability and reactivity** ... / >>

DIPROPYLENE GLYCOL MONOMETHYL ETHER

Avoid exposure to: sources of heat.Possibility of explosion.

**10.5. Incompatible materials**

Information not available

**10.6. Hazardous decomposition products**

Information not available

**SECTION 11. Toxicological information**

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:

Not classified (no significant component)

ATE (Oral) of the mixture:

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

DIPROPYLENE GLYCOL MONOMETHYL ETHER

LD50 (Oral):

&gt; 5000 mg/kg

LD50 (Dermal):

9510 mg/kg

LC50 (Inhalation vapours):

3,35 mg/l/1h

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

Respiratory sensitization

Information not available

Skin sensitization

Information not available

GERM CELL MUTAGENICITY

## SECTION 11. Toxicological information ... / >>

Does not meet the classification criteria for this hazard class

### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

### REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

### Adverse effects on sexual function and fertility

Information not available

### Adverse effects on development of the offspring

Information not available

### Effects on or via lactation

Information not available

### STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

### Target organs

Information not available

### Route of exposure

Information not available

### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

### Target organs

Information not available

### Route of exposure

Information not available

### ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class Viscosity: >20,5 mm<sup>2</sup>/sec (40°C)

## 11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

## SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

### 12.1. Toxicity

Information not available

### 12.2. Persistence and degradability

## SECTION 12. Ecological information ... / >>

DIPROPYLENE GLYCOL MONOMETHYL ETHER  
Solubility in water 1000 - 10000 mg/l  
Rapidly degradable

### 12.3. Bioaccumulative potential

DIPROPYLENE GLYCOL MONOMETHYL ETHER  
Partition coefficient: n-octanol/water 0,0043

### 12.4. Mobility in soil

Information not available

### 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

### 12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

### 12.7. Other adverse effects

Information not available

## SECTION 13. Disposal considerations

### 13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.  
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.  
CONTAMINATED PACKAGING  
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

### 14.1. UN number or ID 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

Not applicable



## SECTION 16. Other information ... / >>

### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

### GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

## SECTION 16. Other information ... / >>

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

### CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified:

11.