

Revision date 19-Sep-2023

Revision Number 4

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Product Code(s)** 5731

**Product Name** Corning® 3D Clear Tissue Clearing Reagent

**Pure substance/mixture** Mixture

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

For research use only. Not Intended for Diagnostic or Therapeutic Use.

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

|                                                                                                                 |                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Company Name</b><br>Corning Incorporated<br>836 North Street<br>Tewksbury, MA 01876<br>USA<br>(978) 442-2200 | <b>Importer</b><br>Corning B.V.<br>Fogostraat 12<br>1060 LJ Amsterdam, The Netherlands<br>+31-(0)20-6557928 |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|

**E-mail address** ScientificSupportEMEA@Corning.com**1.4. Emergency telephone number**

Chemtrec: +1-800-424-9300 (USA), +1-703-527-3887 (International; Call collect)  
Chemtrec Customer Number: CCN5688\*

| Emergency Telephone - §45 - (EC)1272/2008 |                       |
|-------------------------------------------|-----------------------|
| Europe                                    | 112                   |
| Austria                                   | +43 1 406 43 43       |
| Belgium                                   | +359 2 9154 233       |
| Denmark                                   | +45 8212 1212         |
| Finland                                   | 0800 147 111          |
| France                                    | + 33 (0)1 45 42 59 59 |
| Germany                                   | 06131-19240           |
| Ireland                                   | 353 (1) 809 2166      |
| Italy                                     | 800-883300            |
| Netherlands                               | +31(0)30 274 8888     |
| Norway                                    | 22 59 13 00           |
| Poland                                    | (12) 411 99 99        |
| Portugal                                  | +351 800 250 250      |
| Spain                                     | 34 91 562 04 20       |
| Sweden                                    | 112                   |
| Switzerland                               | 145                   |
| United Kingdom                            | 08454 24 24 24        |

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

Classification according to  
Regulation (EC) No. 1272/2008 [CLP]

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| <b>Acute toxicity - Oral</b>                            | Category 3 - (H301) |
| <b>Acute toxicity - Dermal</b>                          | Category 3 - (H311) |
| <b>Acute toxicity - Inhalation (Gases)</b>              | Category 3 - (H331) |
| <b>Acute toxicity - Inhalation (Dusts/Mists)</b>        | Category 3 - (H331) |
| <b>Specific target organ toxicity (single exposure)</b> | Category 1 - (H370) |
| <b>Chronic aquatic toxicity</b>                         | Category 1 - (H410) |

## 2.2. Label elements

Contains Benzyl alcohol, Methyl alcohol



### Signal word

Danger

### Hazard statements

H301 - Toxic if swallowed  
H311 - Toxic in contact with skin  
H331 - Toxic if inhaled  
H370 - Causes damage to organs  
H410 - Very toxic to aquatic life with long lasting effects

### Precautionary Statements - EU (§28, 1272/2008)

P270 - Do not eat, drink or smoke when using this product  
P280 - Wear protective gloves and protective clothing  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P361 + P364 - Take off immediately all contaminated clothing and wash it before reuse  
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor  
P330 - Rinse mouth  
P501 - Dispose of contents/ container to an approved waste disposal plant

### Additional information

This product requires tactile warnings if supplied to the general public. This product requires child resistant fastenings if supplied to the general public.

## 2.3. Other hazards

Toxic to aquatic life.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Chemical name | EC No (EU Index) | CAS No. | Weight-% | Classification | REACH registration |
|---------------|------------------|---------|----------|----------------|--------------------|
|---------------|------------------|---------|----------|----------------|--------------------|

|                | No)                         |            |       | according to Regulation (EC) No. 1272/2008 [CLP]                                                             | number            |
|----------------|-----------------------------|------------|-------|--------------------------------------------------------------------------------------------------------------|-------------------|
| PEG-200        | -                           | 25322-68-3 | 10-30 | No data available                                                                                            | No data available |
| Methyl alcohol | (603-001-00-X)<br>200-659-6 | 67-56-1    | 10-30 | Acute Tox. 3 (H301)<br>Acute Tox. 3 (H311)<br>Acute Tox. 3 (H331)<br>STOT SE 1 (H370)<br>Flam. Liq. 2 (H225) | No data available |
| Benzyl alcohol | (603-057-00-5)<br>202-859-9 | 100-51-6   | 10-30 | Acute Tox. 4 (H302)<br>Acute Tox. 4 (H332)                                                                   | No data available |

**Full text of H- and EUH-phrases: see section 16**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Inhalation</b>                         | Remove to fresh air. IF exposed or concerned: Get medical advice/attention. If breathing has stopped, give artificial respiration. Get medical attention immediately. Immediate medical attention is required. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. |
| <b>Eye contact</b>                        | Get immediate medical attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing.                                                                                                                                                                                                                                                                                                                                         |
| <b>Skin contact</b>                       | Get immediate medical attention. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.                                                                                                                                                                                                                                                                                                                                                              |
| <b>Ingestion</b>                          | Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical attention.                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Self-protection of the first aider</b> | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not breathe vapor or mist. Use personal protective equipment as required. See section 8 for more information.                 |

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

**Symptoms** Coughing and/ or wheezing. Difficulty in breathing.

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

**Note to physicians** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

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

**Specific hazards arising from the chemical** No information available.

### 5.3. Advice for firefighters

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## SECTION 6: Accidental release measures

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

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Do not breathe vapor or mist. Keep people away from and upwind of spill/leak.

**Other information** Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse. Do not breathe vapor or mist. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing

and gloves, including the inside, before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not breathe vapor or mist. Contaminated work clothing should not be allowed out of the workplace.

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

### Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up.

## 7.3. Specific end use(s)

**Risk Management Methods (RMM)** This information is supplied in the present Safety Data Sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

| Chemical name              | European Union                                                                                    | Austria                                                                                         | Belgium                                                                                               | Bulgaria                                                                                         | Croatia                                                                                            |
|----------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| PEG-200<br>25322-68-3      | -                                                                                                 | TWA: 1000 mg/m <sup>3</sup><br>STEL 4000 mg/m <sup>3</sup>                                      | -                                                                                                     | -                                                                                                | -                                                                                                  |
| Methyl alcohol<br>67-56-1  | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>*                                                   | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>STEL 800 ppm<br>STEL 1040 mg/m <sup>3</sup><br>H* | TWA: 200 ppm<br>TWA: 266 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 333 mg/m <sup>3</sup><br>D*      | TWA: 200 ppm<br>TWA: 260.0 mg/m <sup>3</sup><br>K*                                               | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>*                                                    |
| Benzyl alcohol<br>100-51-6 | -                                                                                                 | -                                                                                               | -                                                                                                     | TWA: 5.0 mg/m <sup>3</sup>                                                                       | -                                                                                                  |
| Chemical name              | Cyprus                                                                                            | Czech Republic                                                                                  | Denmark                                                                                               | Estonia                                                                                          | Finland                                                                                            |
| PEG-200<br>25322-68-3      | -                                                                                                 | -                                                                                               | TWA: 1000 mg/m <sup>3</sup><br>STEL: 2000 mg/m <sup>3</sup><br>average molecular<br>weight of 200-600 | -                                                                                                | -                                                                                                  |
| Methyl alcohol<br>67-56-1  | *<br>TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup>                                                   | TWA: 250 mg/m <sup>3</sup><br>Ceiling: 1000 mg/m <sup>3</sup><br>D*                             | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>H*<br>STEL: 400 ppm<br>STEL: 520 mg/m <sup>3</sup>      | TWA: 200 ppm<br>TWA: 250 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 350 mg/m <sup>3</sup><br>A* | TWA: 200 ppm<br>TWA: 270 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 330 mg/m <sup>3</sup><br>iho* |
| Benzyl alcohol<br>100-51-6 | -                                                                                                 | TWA: 40 mg/m <sup>3</sup><br>Ceiling: 80 mg/m <sup>3</sup>                                      | -                                                                                                     | -                                                                                                | TWA: 10 ppm<br>TWA: 45 mg/m <sup>3</sup>                                                           |
| Chemical name              | France                                                                                            | Germany TRGS                                                                                    | Germany DFG                                                                                           | Greece                                                                                           | Hungary                                                                                            |
| PEG-200<br>25322-68-3      | -                                                                                                 | TWA: 200 mg/m <sup>3</sup>                                                                      | TWA: 250 mg/m <sup>3</sup><br>Peak: 500 mg/m <sup>3</sup>                                             | -                                                                                                | -                                                                                                  |
| Methyl alcohol<br>67-56-1  | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>STEL: 1000 ppm<br>STEL: 1300 mg/m <sup>3</sup><br>* | TWA: 100 ppm<br>TWA: 130 mg/m <sup>3</sup><br>H*                                                | TWA: 100 ppm<br>TWA: 130 mg/m <sup>3</sup><br>Peak: 200 ppm<br>Peak: 260 mg/m <sup>3</sup><br>*       | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 325 mg/m <sup>3</sup><br>*  | TWA: 260 mg/m <sup>3</sup><br>TWA: 200 ppm<br>b*                                                   |
| Benzyl alcohol<br>100-51-6 | -                                                                                                 | TWA: 5 ppm<br>TWA: 22 mg/m <sup>3</sup><br>H*                                                   | TWA: 22 mg/m <sup>3</sup><br>TWA: 5 ppm<br>Peak: 44 mg/m <sup>3</sup><br>Peak: 10 ppm<br>*            | -                                                                                                | -                                                                                                  |
| Chemical name              | Ireland                                                                                           | Italy MDLPS                                                                                     | Italy AIDII                                                                                           | Latvia                                                                                           | Lithuania                                                                                          |

|                            |                                                                                                                      |                                                     |                                                                                                     |                                                                                                    |                                                                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methyl alcohol<br>67-56-1  | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>STEL: 600 ppm<br>STEL: 780 mg/m <sup>3</sup><br>Sk*                    | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>cute* | TWA: 200 ppm<br>TWA: 262 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 328 mg/m <sup>3</sup><br>cute* | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>Ada*                                                 | O*<br>TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup>                                                                                                                                                                                                                     |
| Benzyl alcohol<br>100-51-6 | -                                                                                                                    | -                                                   | -                                                                                                   | TWA: 5 mg/m <sup>3</sup>                                                                           | O*<br>TWA: 5 mg/m <sup>3</sup>                                                                                                                                                                                                                                       |
| <b>Chemical name</b>       | <b>Luxembourg</b>                                                                                                    | <b>Malta</b>                                        | <b>Netherlands</b>                                                                                  | <b>Norway</b>                                                                                      | <b>Poland</b>                                                                                                                                                                                                                                                        |
| Methyl alcohol<br>67-56-1  | Peau*<br>TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup>                                                                  | skin*<br>TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup> | TWA: 100 ppm<br>TWA: 133 mg/m <sup>3</sup><br>H*                                                    | TWA: 100 ppm<br>TWA: 130 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 162.5 mg/m <sup>3</sup><br>H* | STEL: 300 mg/m <sup>3</sup><br>TWA: 100 mg/m <sup>3</sup><br>Prohibited -<br>substances or<br>mixtures containing<br>Methanol in weight<br>concentration<br>>3%;except fuels<br>used in the model<br>building,<br>powerboating, fuel<br>cells and biofuels<br>skóra* |
| Benzyl alcohol<br>100-51-6 | -                                                                                                                    | -                                                   | -                                                                                                   | -                                                                                                  | TWA: 240 mg/m <sup>3</sup>                                                                                                                                                                                                                                           |
| <b>Chemical name</b>       | <b>Portugal</b>                                                                                                      | <b>Romania</b>                                      | <b>Slovakia</b>                                                                                     | <b>Slovenia</b>                                                                                    | <b>Spain</b>                                                                                                                                                                                                                                                         |
| PEG-200<br>25322-68-3      | -                                                                                                                    | -                                                   | TWA: 1000 mg/m <sup>3</sup>                                                                         | TWA: 1000 mg/m <sup>3</sup><br>STEL: 8000 mg/m <sup>3</sup>                                        | -                                                                                                                                                                                                                                                                    |
| Methyl alcohol<br>67-56-1  | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>STEL: 250 ppm<br>Cutânea*                                              | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>P*    | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>K*                                                    | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>STEL: 800 ppm<br>STEL: 1040 mg/m <sup>3</sup><br>K*  | TWA: 200 ppm<br>TWA: 266 mg/m <sup>3</sup><br>via dérmica*                                                                                                                                                                                                           |
| Benzyl alcohol<br>100-51-6 | -                                                                                                                    | -                                                   | -                                                                                                   | TWA: 22 mg/m <sup>3</sup><br>TWA: 5 ppm<br>STEL: 10 ppm<br>STEL: 44 mg/m <sup>3</sup><br>K*        | -                                                                                                                                                                                                                                                                    |
| <b>Chemical name</b>       | <b>Sweden</b>                                                                                                        |                                                     | <b>Switzerland</b>                                                                                  | <b>United Kingdom</b>                                                                              |                                                                                                                                                                                                                                                                      |
| PEG-200<br>25322-68-3      | -                                                                                                                    |                                                     | TWA: 500 mg/m <sup>3</sup>                                                                          | -                                                                                                  |                                                                                                                                                                                                                                                                      |
| Methyl alcohol<br>67-56-1  | NGV: 200 ppm<br>NGV: 250 mg/m <sup>3</sup><br>Vägledande KGV: 250 ppm<br>Vägledande KGV: 350 mg/m <sup>3</sup><br>H* |                                                     | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>STEL: 400 ppm<br>STEL: 520 mg/m <sup>3</sup><br>H*    | TWA: 200 ppm<br>TWA: 266 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 333 mg/m <sup>3</sup><br>Sk*  |                                                                                                                                                                                                                                                                      |
| Benzyl alcohol<br>100-51-6 | -                                                                                                                    |                                                     | TWA: 5 ppm<br>TWA: 22 mg/m <sup>3</sup><br>H*                                                       | -                                                                                                  |                                                                                                                                                                                                                                                                      |

**Biological occupational exposure limits**

| Chemical name             | European Union | Austria | Bulgaria | Croatia                                                                        | Czech Republic                                                                                     |
|---------------------------|----------------|---------|----------|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Methyl alcohol<br>67-56-1 | -              | -       | -        | 7.0 mg/g Creatinine -<br>urine (Methanol) - at<br>the end of the work<br>shift | 0.47 mmol/L (urine -<br>Methanol end of<br>shift)<br>15 mg/L (urine -<br>Methanol end of<br>shift) |

| Chemical name             | Denmark                                                                                                                                                              | Finland                                    | France                                                                                                                                                                                                          | Germany DFG                                                                                                                                                                                                                                                                                                                                | Germany TRGS                                                                                                                                                     |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methyl alcohol<br>67-56-1 | -                                                                                                                                                                    | -                                          | - urine (Methanol) -<br>end of shift                                                                                                                                                                            | 15 mg/L (urine -<br>Methanol end of<br>shift)<br>15 mg/L (urine -<br>Methanol for<br>long-term<br>exposures: at the<br>end of the shift after<br>several shifts)<br>15 mg/L - BAT (for<br>long-term<br>exposures: at the<br>end of the shift after<br>several shifts) urine<br>15 mg/L - BAT (end<br>of exposure or end<br>of shift) urine | 15 mg/L (urine -<br>Methanol end of<br>shift)<br>15 mg/L (urine -<br>Methanol for<br>long-term<br>exposures: at the<br>end of the shift after<br>several shifts) |
| Chemical name             | Hungary                                                                                                                                                              | Ireland                                    | Italy MDLPS                                                                                                                                                                                                     | Italy AIDII                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                  |
| Methyl alcohol<br>67-56-1 | 30 mg/L (urine - Methanol<br>end of shift)<br>940 µmol/L (urine -<br>Methanol end of shift)                                                                          | 15 mg/L (urine - Methanol<br>end of shift) | -                                                                                                                                                                                                               | 15 mg/L - urine<br>(Methanol) - end of shift                                                                                                                                                                                                                                                                                               |                                                                                                                                                                  |
| Chemical name             | Latvia                                                                                                                                                               | Luxembourg                                 | Romania                                                                                                                                                                                                         | Slovakia                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                  |
| Methyl alcohol<br>67-56-1 | -                                                                                                                                                                    | -                                          | 6 mg/L - urine (Methanol)<br>- end of shift                                                                                                                                                                     | 30 mg/L (urine - Methanol<br>end of exposure or work<br>shift)<br>30 mg/L (urine - Methanol<br>after all work shifts)                                                                                                                                                                                                                      |                                                                                                                                                                  |
| Chemical name             | Slovenia                                                                                                                                                             | Spain                                      | Switzerland                                                                                                                                                                                                     | United Kingdom                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                  |
| Methyl alcohol<br>67-56-1 | 15 mg/L - urine<br>(Methanol) - at the end of<br>the work shift; for<br>long-term exposure: at the<br>end of the work shift after<br>several consecutive<br>workdays | 15 mg/L (urine - Methanol<br>end of shift) | 30 mg/L (urine - Methanol<br>end of shift, and after<br>several shifts (for<br>long-term exposures))<br>936 µmol/L (urine -<br>Methanol end of shift, and<br>after several shifts (for<br>long-term exposures)) | -                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                  |

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

### Personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable gloves. Impervious gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do

not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not breathe vapor or mist. Contaminated work clothing should not be allowed out of the workplace.

**Environmental exposure controls** No information available.

## SECTION 9: Physical and chemical properties

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

|                       |                           |
|-----------------------|---------------------------|
| <b>Physical state</b> | Liquid                    |
| <b>Appearance</b>     | clear                     |
| <b>Color</b>          | clear                     |
| <b>Odor</b>           | No information available. |
| <b>Odor threshold</b> | No information available  |

| <u>Property</u>                                | <u>Values</u>            | <u>Remarks • Method</u> |
|------------------------------------------------|--------------------------|-------------------------|
| <b>pH</b>                                      | 6.5                      | None known              |
| <b>pH (as aqueous solution)</b>                |                          | None known              |
| <b>Melting point / freezing point</b>          | No data available        | None known              |
| <b>Initial boiling point and boiling range</b> | No data available        | None known              |
| <b>Flash point</b>                             | No data available        | None known              |
| <b>Evaporation rate</b>                        | No data available        | None known              |
| <b>Flammability</b>                            | No data available        | None known              |
| <b>Flammability Limit in Air</b>               |                          | None known              |
| <b>Upper flammability limit:</b>               | No data available        |                         |
| <b>Lower flammability limit</b>                | No data available        |                         |
| <b>Vapor pressure</b>                          | No data available        | None known              |
| <b>Relative vapor density</b>                  | No data available        | None known              |
| <b>Relative density</b>                        | No data available        | None known              |
| <b>Water solubility</b>                        | No data available        | None known              |
| <b>Solubility(ies)</b>                         | No data available        | None known              |
| <b>Partition coefficient</b>                   | No data available        | None known              |
| <b>Autoignition temperature</b>                | No data available        | None known              |
| <b>Decomposition temperature</b>               |                          | None known              |
| <b>Kinematic viscosity</b>                     | No data available        | None known              |
| <b>Dynamic viscosity</b>                       | No data available        | None known              |
| <b>Explosive properties</b>                    | No information available |                         |
| <b>Oxidizing properties</b>                    | No information available |                         |

### 9.2. Other information

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC content</b>      | No information available |
| <b>Liquid Density</b>   | No information available |
| <b>Bulk density</b>     | No information available |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** No information available.

### 10.2. Chemical stability

**Stability** Stable under normal conditions.



**Explosion data**

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

**10.3. Possibility of hazardous reactions****Possibility of hazardous reactions** None under normal processing.**10.4. Conditions to avoid****Conditions to avoid** Excessive heat.**10.5. Incompatible materials****Incompatible materials** None known based on information supplied.**10.6. Hazardous decomposition products****Hazardous Decomposition Products** None known based on information supplied.**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Information on likely routes of exposure****Product Information**

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. Toxic by inhalation. (based on components).        |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available.                                                    |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. Toxic in contact with skin. (based on components). |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Toxic if swallowed. (based on components).         |

**Symptoms related to the physical, chemical and toxicological characteristics****Symptoms** Coughing and/ or wheezing. Difficulty in breathing.**Numerical measures of toxicity****Acute toxicity****The following values are calculated based on chapter 3.1 of the GHS document**

|                                      |              |
|--------------------------------------|--------------|
| <b>ATEmix (oral)</b>                 | 276.30 mg/kg |
| <b>ATEmix (dermal)</b>               | 772.50 mg/kg |
| <b>ATEmix (inhalation-gas)</b>       | 700.00 ppm   |
| <b>ATEmix (inhalation-dust/mist)</b> | 0.895 mg/l   |
| <b>ATEmix (inhalation-vapor)</b>     | 41.70 mg/l   |

**Unknown acute toxicity**

25 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

25 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

75 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).  
50 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

| Chemical name  | Oral LD50            | Dermal LD50              | Inhalation LC50                      |
|----------------|----------------------|--------------------------|--------------------------------------|
| PEG-200        | = 22 g/kg ( Rat )    | > 20 g/kg ( Rabbit )     |                                      |
| Methyl alcohol | = 6200 mg/kg ( Rat ) | = 15840 mg/kg ( Rabbit ) | = 22500 ppm ( Rat ) 8 h              |
| Benzyl alcohol | = 1230 mg/kg ( Rat ) | = 2 g/kg ( Rabbit )      | > 4178 mg/m <sup>3</sup> ( Rat ) 4 h |

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

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** Based on the classification criteria of the Globally Harmonized System as adopted in the country or region with which this safety data sheet complies, this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). Causes damage to organs if swallowed. Causes damage to organs in contact with skin. Causes damage to organs if inhaled.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** Very toxic to aquatic life with long lasting effects. Toxic to aquatic life.

**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

| Chemical name  | Algae/aquatic plants | Fish                                                                | Toxicity to microorganisms | Crustacea |
|----------------|----------------------|---------------------------------------------------------------------|----------------------------|-----------|
| Methyl alcohol | -                    | LC50: =28200mg/L (96h, Pimephales promelas)<br>LC50: >100mg/L (96h, | -                          | -         |

|                |   |                                                                                                                                                                                        |                                                                                                      |                                 |
|----------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------|
|                |   | Pimephales promelas)<br>LC50: 19500 - 20700mg/L<br>(96h, Oncorhynchus mykiss)<br>LC50: 18 - 20mL/L (96h, Oncorhynchus mykiss)<br>LC50: 13500 - 17600mg/L<br>(96h, Lepomis macrochirus) |                                                                                                      |                                 |
| Benzyl alcohol | - | LC50: =460mg/L (96h, Pimephales promelas)<br>LC50: =10mg/L (96h, Lepomis macrochirus)                                                                                                  | EC50 = 50 mg/L 5 min<br>EC50 = 63.7 mg/L 15 min<br>EC50 = 63.7 mg/L 5 min<br>EC50 = 71.4 mg/L 30 min | EC50: =23mg/L (48h, water flea) |

**12.2. Persistence and degradability**

**Persistence and degradability** No information available.

**12.3. Bioaccumulative potential**

**Bioaccumulation** There is no data for this product.

**Component Information**

| Chemical name  | Partition coefficient |
|----------------|-----------------------|
| Methyl alcohol | -0.77                 |
| Benzyl alcohol | 1.05                  |

**12.4. Mobility in soil**

**Mobility in soil** No information available.

**12.5. Results of PBT and vPvB assessment****PBT and vPvB assessment**

| Chemical name  | PBT and vPvB assessment         |
|----------------|---------------------------------|
| PEG-200        | The substance is not PBT / vPvB |
| Methyl alcohol | The substance is not PBT / vPvB |
| Benzyl alcohol | The substance is not PBT / vPvB |

**12.6. Other adverse effects**

**Other adverse effects** No information available.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

## SECTION 14: Transport information

**IMDG** Not regulated

|             |               |
|-------------|---------------|
| <u>RID</u>  | Not regulated |
| <u>ADR</u>  | Not regulated |
| <u>IATA</u> | Not regulated |

## SECTION 15: Regulatory information

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

#### National regulations

##### France

##### Occupational Illnesses (R-463-3, France)

| Chemical name              | French RG number | Title |
|----------------------------|------------------|-------|
| Methyl alcohol<br>67-56-1  | RG 84            | -     |
| Benzyl alcohol<br>100-51-6 | RG 84            | -     |

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

#### Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name            | Restricted substance per REACH Annex XVII | Substance subject to authorization per REACH Annex XIV |
|--------------------------|-------------------------------------------|--------------------------------------------------------|
| Methyl alcohol - 67-56-1 | 69.<br>75.                                |                                                        |

#### Persistent Organic Pollutants

Not applicable

#### Dangerous substance category per Seveso Directive (2012/18/EU)

H2 - ACUTE TOXIC

H3 - STOT SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE

E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

#### Named dangerous substances per Seveso Directive (2012/18/EU)

| Chemical name            | Lower-tier requirements (tons) | Upper-tier requirements (tons) |
|--------------------------|--------------------------------|--------------------------------|
| Methyl alcohol - 67-56-1 | 500                            | 5000                           |

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

#### International Inventories

|                      |                                                  |
|----------------------|--------------------------------------------------|
| <b>TSCA</b>          | Contact supplier for inventory compliance status |
| <b>DSL/NDSL</b>      | Contact supplier for inventory compliance status |
| <b>EINECS/ELINCS</b> | Contact supplier for inventory compliance status |
| <b>ENCS</b>          | Contact supplier for inventory compliance status |
| <b>IECSC</b>         | Contact supplier for inventory compliance status |
| <b>KECL</b>          | Contact supplier for inventory compliance status |
| <b>PICCS</b>         | Contact supplier for inventory compliance status |
| <b>AIIC</b>          | Contact supplier for inventory compliance status |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

**Chemical Safety Report** No information available

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H225 - Highly flammable liquid and vapor  
H301 - Toxic if swallowed  
H302 - Harmful if swallowed  
H311 - Toxic in contact with skin  
H331 - Toxic if inhaled  
H332 - Harmful if inhaled  
H370 - Causes damage to organs

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |

| Classification procedure                                        |                    |
|-----------------------------------------------------------------|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity                                             | Calculation method |
| Acute dermal toxicity                                           | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapor                               | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitization                                       | Calculation method |
| Skin sensitization                                              | Calculation method |
| Mutagenicity                                                    | Calculation method |
| Carcinogenicity                                                 | Calculation method |
| Reproductive toxicity                                           | Calculation method |
| STOT - single exposure                                          | Calculation method |
| STOT - repeated exposure                                        | Calculation method |
| Acute aquatic toxicity                                          | Calculation method |
| Chronic aquatic toxicity                                        | Calculation method |
| Aspiration hazard                                               | Calculation method |
| Ozone                                                           | Calculation method |

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AELG(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

Revision date 19-Sep-2023

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

Europe

Full process, including GHS and Transportation Wizards

|                                                  |            |
|--------------------------------------------------|------------|
| Specific target organ toxicity (single exposure) | Category 1 |
|--------------------------------------------------|------------|

**EU SDS version information - EGHS**

UL release: