

**Safety Data Sheet**according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 8/30/2022 Revision date: 8/30/2022 Supersedes version of: 2/20/2020 Version: 1.2**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : REACT GP Thin Adhesive  
UFI : DC00-W0FG-K00H-1RFQ  
Type of product : ethyl 2-cyanoacrylate  
Product group : Adhesives, sealants

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Intended for general public  
Main use category : Industrial use, Professional use, Consumer use  
Use of the substance/mixture : Adhesives, binding agents  
Function or use category : Adhesives, binding agents

**1.2.2. Uses advised against**

No additional information available

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

Cyanotec Ltd  
Bay 2 building 62 third avenue  
Kingswinford  
Dudley West Midlands DY6 7XT  
T +44(0)1384 294753  
sales@cyanotec.com  
www.cyanotec.com

**1.4. Emergency telephone number**

Emergency number : +44 (0)1384 294753  
Office hours 0900-1700hrs MONDAY TO THURSDAY

| Country        | Organisation/Company   | Address                                  | Emergency number   | Comment                              |
|----------------|--|--|--|--------------------------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                     | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-<br>24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |                                      |
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH Birmingham        | 0344 892 0111  | Only for healthcare<br>professionals |

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation H335

Full text of H- and EUH-statements: see section 16

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

May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

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### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Contains :

ETHYL-2-CYANOACRYLATE

Hazard statements (CLP) :

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

Precautionary statements (CLP) :

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P261 - Avoid breathing vapours.

P271 - Use only outdoors or in a well-ventilated area.

P405 - Store locked up.

P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements

: EUH202 - Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

### 2.3. Other hazards

Other hazards which do not result in classification : None under normal conditions.

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                  | Product identifier   | %          | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|-----------------------|--|------------|---|
| ETHYL-2-CYANOACRYLATE | CAS-No.: 7085-85-0<br>EC-No.: 230-391-5<br>EC Index-No.: 607-236-00-9<br>REACH-no: 01-2119527766-29, 02-0000403180-68, 05-0000403157-85, UK-01-0847871764-1-0004 | 50 – 100   | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335  |
| HYDROQUINONE          | CAS-No.: 123-31-9<br>EC-No.: 204-617-8<br>EC Index-No.: 604-005-00-4<br>REACH-no: 01-2119524016-51   | 0.01 – 0.1 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Muta. 2, H341<br>Carc. 2, H351<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=10) |

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| Specific concentration limits: |  |                                |
|--------------------------------|--|--------------------------------|
| Name                           | Product identifier   | Specific concentration limits  |
| ETHYL-2-CYANOACRYLATE          | CAS-No.: 7085-85-0<br>EC-No.: 230-391-5<br>EC Index-No.: 607-236-00-9<br>REACH-no: 01-2119527766-29, 02-0000403180-68, 05-0000403157-85, UK-01-0847871764-1-0004 | ( 10 ≤C < 100) STOT SE 3, H335 |

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Move to fresh air. Call a poison center or a doctor if you feel unwell.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.  |
| First-aid measures after skin contact | : Exothermic reaction on contact with : skin. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.           |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.   |

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

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after inhalation   | : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. May cause respiratory irritation. |
| Symptoms/effects after skin contact | : Rednesses. Irritation.  |
| Symptoms/effects after eye contact  | : Eye irritation.   |

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

General measures : Clean up any spills as soon as possible, using an absorbent material to collect it.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. Avoid breathing fume, gas, mist, spray, vapours, dust. Avoid contact with skin and eyes.

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### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Ventilate area. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

### 6.2. Environmental precautions

Avoid release to the environment.

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

- Methods for cleaning up : Take up liquid spill into absorbent material.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Use only outdoors or in a well-ventilated area. Avoid breathing fume, gas, mist, spray, vapours, dust. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Technical measures : Ensure adequate ventilation, especially in confined areas.
- Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
- Incompatible products : Strong bases.
- Incompatible materials : Do not allow contact with water.

### 7.3. Specific end use(s)

adhesives.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| ETHYL-2-CYANOACRYLATE (7085-85-0)             |  |
|---|--|
| <b>Belgium - Occupational Exposure Limits</b> |  |
| Local name                                    | 2-Cyanoacrylate d'éthyle # Ethyl-2-cyaanacrylaat   |
| OEL TWA                                       | 1.04 mg/m <sup>3</sup>   |
| OEL TWA [ppm]                                 | 0.2 ppm  |
| Regulatory reference                          | Koninklijk besluit/Arrêté royal 11/05/2021   |
| <b>Croatia - Occupational Exposure Limits</b> |  |
| Local name                                    | Etil-cijanoakrilat   |
| KGVI (OEL STEL)                               | 1.5 mg/m <sup>3</sup>  |
| KGVI (OEL STEL) [ppm]                         | 0.3 ppm  |
| Remark  | Koža (razvrstana kao tvar koja nadražuje kožu (H315))  |
| Regulatory reference                          | Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021) |

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| <b>ETHYL-2-CYANOACRYLATE (7085-85-0)</b>        |   |
|---|---|
| <b>Denmark - Occupational Exposure Limits</b>   |   |
| Local name                                      | Ethylcyanoacrylat   |
| OEL TWA [1]                                     | 10 mg/m <sup>3</sup>  |
| OEL TWA [2]                                     | 2 ppm   |
| Regulatory reference                            | BEK nr 2203 af 29. november 2021  |
| <b>Estonia - Occupational Exposure Limits</b>   |   |
| Local name                                      | Etüültsüanoakrülaad   |
| OEL TWA   | 10 mg/m <sup>3</sup>  |
| OEL TWA [ppm]                                   | 2 ppm   |
| OEL STEL  | 20 mg/m <sup>3</sup>  |
| OEL STEL [ppm]                                  | 4 ppm   |
| Regulatory reference                            | Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 15.05.2021, 1) |
| <b>Finland - Occupational Exposure Limits</b>   |   |
| Local name                                      | Etyyli-2-syanoakrylaatti  |
| HTP (OEL TWA) [1]                               | 1 mg/m <sup>3</sup>   |
| HTP (OEL TWA) [2]                               | 0.2 ppm   |
| Regulatory reference                            | HTP-ARVOT 2020 (Sosiaali- ja terveystieteiden ministeriö)                   |
| <b>Ireland - Occupational Exposure Limits</b>   |   |
| Local name                                      | Cyanoacrylate, Ethyl [Ethyl cyanoacrylate]                                  |
| OEL TWA [2]                                     | 0.2 ppm   |
| OEL STEL [ppm]                                  | 1 ppm   |
| Regulatory reference                            | Chemical Agents Code of Practice 2021                                       |
| <b>Lithuania - Occupational Exposure Limits</b> |   |
| Local name                                      | Etil-2-ciankriatas  |
| IPRV (OEL TWA)                                  | 10 mg/m <sup>3</sup>  |
| IPRV (OEL TWA) [ppm]                            | 2 ppm   |
| TPRV (OEL STEL)                                 | 20 mg/m <sup>3</sup>  |
| TPRV (OEL STEL) [ppm]                           | 4 ppm   |
| Regulatory reference                            | LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)           |
| <b>Poland - Occupational Exposure Limits</b>    |   |
| Local name                                      | 2-Cyjanoakrylan etylu   |
| NDS (OEL TWA)                                   | 1 mg/m <sup>3</sup>   |
| NDSch (OEL STEL)                                | 2 mg/m <sup>3</sup>   |
| Regulatory reference                            | Dz. U. 2018 poz. 1286   |
| <b>Portugal - Occupational Exposure Limits</b>  |   |
| Local name                                      | Cianoacrilato de etilo  |
| OEL TWA [ppm]                                   | 0.2 ppm   |
| Regulatory reference                            | Norma Portuguesa NP 1796:2014   |

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| <b>ETHYL-2-CYANOACRYLATE (7085-85-0)</b>             |  |
|--|--|
| <b>Spain - Occupational Exposure Limits</b>          |  |
| Local name   | Cianoacrilato de etilo   |
| VLA-ED (OEL TWA) [2]                                 | 0.2 ppm  |
| Regulatory reference                                 | Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT  |
| <b>Sweden - Occupational Exposure Limits</b>         |  |
| Local name   | Etyl-2-cyanoakrylat  |
| NGV (OEL TWA)  | 10 mg/m <sup>3</sup>   |
| NGV (OEL TWA) [ppm]                                  | 2 ppm  |
| KTV (OEL STEL)                                       | 20 mg/m <sup>3</sup>   |
| KTV (OEL STEL) [ppm]                                 | 4 ppm  |
| Remark   | M (Medicinska kontroller kan krävas för hantering av ämnet. Se vidare föreskrifterna om medicinska kontroller i arbetslivet. För vissa ämnen ska arbetsgivaren erbjuda läkarundersökning och för andra ämnen gäller krav på periodisk läkarundersökning och tjänstbarhetsbedömning); S (Ämnet är sensibiliserande. Sensibiliserande ämnen kan ge allergi eller annan överkänslighet. Överkänslighetsbesvären drabbar främst huden eller andningsorganen. Överkänslighet innebär att man reagerar vid kontakt med ämnen som normalt inte ger besvär. Allergi är en undergrupp av överkänslighet som orsakas av reaktioner i kroppens immunsystem. Särskilt låga gränsvärden har fastställts för ämnen med mer uttalat luftvägssensibiliserande egenskaper. Några ämnen med starkt sensibiliserande egenskaper får endast hanteras efter tillstånd från Arbetsmiljöverket, se föreskrifterna om kemiska arbetsmiljörisker. Dessa ämnen har inga gränsvärden men i vissa fall riktvärden); V (Vägledande korttidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas) |
| Regulatory reference                                 | Hygieniska gränsvärden (AFS 2018:1)  |
| <b>United Kingdom - Occupational Exposure Limits</b> |  |
| Local name   | Ethyl cyanoacrylate  |
| WEL STEL (OEL STEL)                                  | 1.5 mg/m <sup>3</sup>  |
| WEL STEL (OEL STEL) [ppm]                            | 0.3 ppm  |
| Regulatory reference                                 | EH40/2005 (Fourth edition, 2020). HSE  |
| <b>Iceland - Occupational Exposure Limits</b>        |  |
| Local name   | Etylsýanóakrylát   |
| OEL TWA  | 10 mg/m <sup>3</sup>   |
| OEL TWA [ppm]  | 2 ppm  |
| Regulatory reference                                 | Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)  |
| <b>Switzerland - Occupational Exposure Limits</b>    |  |
| Local name   | 2-Cyanoacrylate d'éthyle / Cyanacrylsäureethylester [Etyl-2-cyanoakrylat]  |
| MAK (OEL TWA) [1]                                    | 9 mg/m <sup>3</sup>  |
| MAK (OEL TWA) [2]                                    | 2 ppm  |
| Critical toxicity                                    | VRS, Peau / OAW, Haut  |
| Regulatory reference                                 | www.suva.ch, 28.03.2022  |

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| HYDROQUINONE (123-31-9)                        |   |
|--|---|
| <b>Belgium - Occupational Exposure Limits</b>  |   |
| Local name                                     | Hydroquinone # Hydrochinon  |
| OEL TWA  | 1 mg/m <sup>3</sup>   |
| Regulatory reference                           | Koninklijk besluit/Arrêté royal 11/05/2021  |
| <b>Bulgaria - Occupational Exposure Limits</b> |   |
| Local name                                     | Хидрохинон  |
| OEL TWA  | 2 mg/m <sup>3</sup>   |
| Regulatory reference                           | Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 47 от 2021 г., в сила от 04.06.2021 г.) |
| <b>Croatia - Occupational Exposure Limits</b>  |   |
| Local name                                     | Hidrokinon; 1,4-dihidroksibenzen; kinol   |
| GVI (OEL TWA) [1]                              | 0.5 mg/m <sup>3</sup>   |
| Remark   | Alergen koža (tvar koja može izazvati alergijsku reakciju na koži (H317))   |
| Regulatory reference                           | Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, граниčnim vrijednostima izloženosti i biološkim граниčnim vrijednostima (NN 1/2021)                      |
| <b>Denmark - Occupational Exposure Limits</b>  |   |
| Local name                                     | Hydroquinon (p-Benzendiol)  |
| OEL C  | 2 mg/m <sup>3</sup>   |
| Remark   | K (betyder, at stoffet anses for at kunne være kræftfremkaldende)   |
| Regulatory reference                           | BEK nr 2203 af 29. november 2021  |
| <b>Estonia - Occupational Exposure Limits</b>  |   |
| Local name                                     | Hüdrokinoon (1,4-benseendiol)   |
| OEL TWA  | 0.5 mg/m <sup>3</sup>   |
| OEL STEL                                       | 1.5 mg/m <sup>3</sup>   |
| Remark   | S (Sensibiliseeriv aine), 5 (Kinoon võib redutseeruda hüdrokinooniks, mis muutub õhuhapniku toimel kergesti p-bensokinooniks)   |
| Regulatory reference                           | Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 15.05.2021, 1)   |
| <b>Finland - Occupational Exposure Limits</b>  |   |
| Local name                                     | Hydrokinoni   |
| HTP (OEL TWA) [1]                              | 0.5 mg/m <sup>3</sup>   |
| HTP (OEL STEL)                                 | 2 mg/m <sup>3</sup>   |
| Regulatory reference                           | HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö)   |
| <b>France - Occupational Exposure Limits</b>   |   |
| Local name                                     | Hydroquinone  |
| VME (OEL TWA)                                  | 2 mg/m <sup>3</sup>   |
| Remark   | Valeurs recommandées/admises; substance classée cancérogène de catégorie 2 et mutagène de catégorie 2   |
| Regulatory reference                           | Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)  |
| <b>Greece - Occupational Exposure Limits</b>   |   |
| Local name                                     | Υδροκινόνη  |

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| <b>HYDROQUINONE (123-31-9)</b>                  |  |
|---|--|
| OEL TWA   | 2 mg/m <sup>3</sup>  |
| OEL STEL  | 4 mg/m <sup>3</sup>  |
| Regulatory reference                            | Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους  |
| <b>Ireland - Occupational Exposure Limits</b>   |  |
| Local name                                      | Hydroquinone [p-Dihydroxybenzene]  |
| OEL TWA [1]                                     | 0.5 mg/m <sup>3</sup>  |
| Remark  | Sens. (In the workplace respiratory or dermal exposures to sensitising agents may occur. Sensitizers may evoke respiratory or dermal reactions, e.g. asthma, rhinitis and allergic contact dermatitis. The notation does not distinguish between respiratory or dermal sensitisation. Chemical agents that are sensitizers present special problems in the workplace. Should an employee become sensitised, subsequent exposure may cause intense responses, even at low exposure concentrations well below the OELV. Exposure should be eliminated or significantly reduced through control measures such as engineering and process controls and use of personal protective equipment (PPE)) |
| Regulatory reference                            | Chemical Agents Code of Practice 2021  |
| <b>Lithuania - Occupational Exposure Limits</b> |  |
| Local name                                      | Hidrochinonas  |
| IPRV (OEL TWA)                                  | 0.5 mg/m <sup>3</sup>  |
| TPRV (OEL STEL)                                 | 1.5 mg/m <sup>3</sup>  |
| Remark  | K (kancerogeninis poveikis); M (mutageninis poveikis); J (jautrinantis poveikis); p-benzchinonas (chinonas) yra oksiduojanti medžiaga, kuri redukuojasi į hidrochinoną. Hidrochinonas vėl lengvai virsta p-benzchinonu, pvz., veikiamas atmosferos deguonies.  |
| Regulatory reference                            | LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)  |
| <b>Poland - Occupational Exposure Limits</b>    |  |
| Local name                                      | Hydrochinon  |
| NDS (OEL TWA)                                   | 1 mg/m <sup>3</sup>  |
| NDSCh (OEL STEL)                                | 2 mg/m <sup>3</sup>  |
| Regulatory reference                            | Dz. U. 2018 poz. 1286  |
| <b>Portugal - Occupational Exposure Limits</b>  |  |
| Local name                                      | Hidroquinona   |
| OEL TWA   | 1 mg/m <sup>3</sup>  |
| Remark  | SC (Agente com potencial para produzir sensibilização pela via cutânea); A3 (Agente carcinogénico confirmado nos animais de laboratório con relevância desconhecida no Homem)  |
| Regulatory reference                            | Norma Portuguesa NP 1796:2014  |
| <b>Romania - Occupational Exposure Limits</b>   |  |
| Local name                                      | 1,4-dihidroxibenzen/Hidrochinonă   |
| OEL TWA   | 1 mg/m <sup>3</sup>  |
| OEL STEL  | 2 mg/m <sup>3</sup>  |
| Remark  | C2 - susceptibil de a provoca apariția cancerului; M2 - susceptibil de a provoca anomalii genetice   |
| Regulatory reference                            | Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 53/2021)  |



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| HYDROQUINONE (123-31-9)                              |   |
|--|---|
| <b>Slovakia - Occupational Exposure Limits</b>       |   |
| Local name   | Hydrochinón (benzén-1,4-diol)   |
| NPHV (OEL TWA) [1]                                   | 2 mg/m <sup>3</sup>   |
| Remark   | K - znamená, že faktor môže byť ľahko absorbovaný kožou   |
| Regulatory reference                                 | Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)   |
| <b>Spain - Occupational Exposure Limits</b>          |   |
| Local name   | Hidroquinona  |
| VLA-ED (OEL TWA) [1]                                 | 2 mg/m <sup>3</sup>   |
| Remark   | Sen (Sensibilizante).   |
| Regulatory reference                                 | Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT   |
| <b>Sweden - Occupational Exposure Limits</b>         |   |
| Local name   | Hydrokinon  |
| NGV (OEL TWA)  | 0.5 mg/m <sup>3</sup>   |
| KTV (OEL STEL)                                       | 1.5 mg/m <sup>3</sup>   |
| Remark   | S (Ämnet är sensibiliserande. Sensibiliserande ämnen kan ge allergi eller annan överkänslighet. Överkänslighetsbesvären drabbar främst huden eller andningsorganen. Överkänslighet innebär att man reagerar vid kontakt med ämnen som normalt inte ger besvär. Allergi är en undergrupp av överkänslighet som orsakas av reaktioner i kroppens immunsystem. Särskilt låga gränsvärden har fastställts för ämnen med mer uttalat luftvägssensibiliserande egenskaper. Några ämnen med starkt sensibiliserande egenskaper får endast hanteras efter tillstånd från Arbetsmiljöverket, se föreskrifterna om kemiska arbetsmiljörisker. Dessa ämnen har inga gränsvärden men i vissa fall riktvärden); V (Väglödande korttidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas); 10 (p-Bensokinon, kinon, kan genom reduktion övergå till hydrokinon. Hydrokinon kan lätt återbildas till p-bensokinon genom luftoxidation) |
| Regulatory reference                                 | Hygieniska gränsvärden (AFS 2018:1)   |
| <b>United Kingdom - Occupational Exposure Limits</b> |   |
| Local name   | Hydroquinone  |
| WEL TWA (OEL TWA) [1]                                | 0.5 mg/m <sup>3</sup>   |
| Regulatory reference                                 | EH40/2005 (Fourth edition, 2020). HSE   |
| <b>Iceland - Occupational Exposure Limits</b>        |   |
| Local name   | Hýdrókínón (p-bensendíól)   |
| OEL TWA  | 0.5 mg/m <sup>3</sup>   |
| OEL STEL   | 2 mg/m <sup>3</sup>   |
| Remark   | O (efnið er ofnæmisvaldandi)  |
| Regulatory reference                                 | Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 1296/2012)  |
| <b>Norway - Occupational Exposure Limits</b>         |   |
| Local name   | Hydrokinon  |
| Grenseverdi (OEL TWA) [1]                            | 0.5 mg/m <sup>3</sup>   |
| Remark   | A: Kjemikalier som skal betraktes som at de fremkaller allergi eller annen overfølsomhet i øynene eller luftveier, eller som skal betraktes som at de fremkaller allergi ved hudkontakt;<br>K: Kjemikalier som skal betraktes som kreftfremkallende.  |

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| HYDROQUINONE (123-31-9)                           |  |
|---|--|
| Regulatory reference                              | FOR-2021-06-28-2248                              |
| <b>Switzerland - Occupational Exposure Limits</b> |  |
| Local name  | Hydroquinone / 1,4-Dihydroxybenzol [Hydrochinon] |
| MAK (OEL TWA) [1]                                 | 2 mg/m <sup>3</sup> (i) / (e)                    |
| KZGW (OEL STEL)                                   | 2 mg/m <sup>3</sup> (i) / (e)                    |
| Critical toxicity                                 | Yeux / Auge                                      |
| Notation  | R, S, C2, M2 / H, S, C2, M2                      |
| Remark  | NIOSH  |
| Regulatory reference                              | www.suva.ch, 28.03.2022                          |

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

| ETHYL-2-CYANOACRYLATE (7085-85-0)        |                           |
|--|---------------------------|
| <b>DNEL/DMEL (Workers)</b>               |                           |
| Acute - systemic effects, inhalation     | 9.25 mg/m <sup>3</sup>    |
| Acute - local effects, inhalation        | 9.25 mg/m <sup>3</sup>    |
| Long-term - systemic effects, inhalation | 9.25 mg/m <sup>3</sup>    |
| Long-term - local effects, inhalation    | 9.25 mg/m <sup>3</sup>    |
| <b>DNEL/DMEL (General population)</b>    |                           |
| Acute - systemic effects, inhalation     | 9.25 mg/m <sup>3</sup>    |
| Acute - local effects, inhalation        | 9.25 mg/m <sup>3</sup>    |
| Long-term - systemic effects, inhalation | 9.25 mg/m <sup>3</sup>    |
| Long-term - local effects, inhalation    | 9.25 mg/m <sup>3</sup>    |
| <b>HYDROQUINONE (123-31-9)</b>           |                           |
| <b>DNEL/DMEL (Workers)</b>               |                           |
| Long-term - systemic effects, dermal     | 3.33 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 2.1 mg/m <sup>3</sup>     |
| Long-term - local effects, inhalation    | 1 mg/m <sup>3</sup>       |
| <b>DNEL/DMEL (General population)</b>    |                           |
| Long-term - systemic effects, oral       | 0.6 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation | 1.05 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal     | 1.66 mg/kg bodyweight/day |
| Long-term - local effects, inhalation    | 0.5 mg/m <sup>3</sup>     |
| <b>PNEC (Water)</b>                      |                           |
| PNEC aqua (freshwater)                   | 0.57 µg/l                 |
| PNEC aqua (marine water)                 | 0.057 µg/l                |
| PNEC aqua (intermittent, freshwater)     | 1.34 µg/l                 |

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| HYDROQUINONE (123-31-9)      |               |
|------------------------------|---------------|
| <b>PNEC (Sediment)</b>       |               |
| PNEC sediment (freshwater)   | 4.9 µg/kg dw  |
| PNEC sediment (marine water) | 0.49 µg/kg dw |
| <b>PNEC (Soil)</b>           |               |
| PNEC soil                    | 0.64 µg/kg dw |
| <b>PNEC (STP)</b>            |               |
| PNEC sewage treatment plant  | 0.71 mg/l     |

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

| Eye protection |                      |                   |          |
|----------------|----------------------|-------------------|----------|
| Type           | Field of application | Characteristics   | Standard |
| Safety glasses |                      | With side shields | EN 166   |

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

| Skin and body protection |          |
|--------------------------|----------|
| Type                     | Standard |
| Protective clothing      | EN 14605 |

##### Hand protection:

Protective gloves

| Hand protection   |                      |            |                |             |            |
|-------------------|----------------------|------------|----------------|-------------|------------|
| Type              | Material             | Permeation | Thickness (mm) | Penetration | Standard   |
| Disposable gloves | Nitrile rubber (NBR) |            | ≥0.4 mm        |             | EN ISO 374 |

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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| Respiratory protection |  |           |          |
|------------------------|--|-----------|----------|
| Device                 | Filter type  | Condition | Standard |
| Full face mask         | Filter A1/B1, Type A - High-boiling (>65 °C) organic compounds |           | EN 14387 |

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|   |  |
|---|--|
| Physical state                                  | : Liquid   |
| Colour  | : Colourless.  |
| Appearance                                      | : Liquid.  |
| Odour   | : characteristic.  |
| Odour threshold                                 | : No data available<br>No data available   |
| Melting point                                   | : No available data  |
| Freezing point                                  | : No data available  |
| Boiling point                                   | : > 149 °C   |
| Flammability                                    | : Not applicable.<br>Not applicable  |
| Explosive properties                            | : No data available.   |
| Oxidising properties                            | : No data available.   |
| Explosive limits                                | : Not available  |
| Lower explosion limit                           | : Not available  |
| Upper explosion limit                           | : Not available  |
| Flash point                                     | : 80 – 93.4 °C Closed cup  |
| Auto-ignition temperature                       | : No data available  |
| Decomposition temperature                       | : No data available  |
| pH  | : Not applicable.  |
| Viscosity, kinematic                            | : ≈ 37 mm <sup>2</sup> /s  |
| Viscosity, dynamic                              | : ≈ 40 mPa.s   |
| Solubility                                      | : No data available.<br>Water: No data available<br>Ethanol: No data available<br>Ether: No data available<br>Acetone: No data available<br>Organic solvent: No data available |
| Partition coefficient n-octanol/water (Log Kow) | : Not available  |
| Vapour pressure                                 | : 0.27 mbar  |
| Vapour pressure at 50 °C                        | : < 0.7 bar  |
| Density   | : ≈ 1.08 g/ml  |
| Relative density                                | : Not available  |
| Relative vapour density at 20 °C                | : Not available  |
| Relative gas density                            | : No data available  |
| Particle characteristics                        | : Not applicable   |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

Critical temperature : No data available

#### 9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1) : No data available

Relative evaporation rate (ether=1) : No data available

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VOC content : < 3 %  
Additional information : No data available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

Incompatible with water, humid air.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

| REACT GP Thin Adhesive            |   |
|-----------------------------------|---|
| LD50 oral rat                     | > 5000 mg/kg  |
| LD50 dermal                       | > 2000 mg/kg  |
| ETHYL-2-CYANOACRYLATE (7085-85-0) |   |
| LD50 oral rat                     | > 5000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)  |
| LD50 dermal rabbit                | > 2000 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                                   |
| HYDROQUINONE (123-31-9)           |   |
| LD50 dermal rabbit                | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)) |

Skin corrosion/irritation : Causes skin irritation.  
pH: Not applicable.  
Serious eye damage/irritation : Causes serious eye irritation.  
pH: Not applicable.  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : May cause respiratory irritation.

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### ETHYL-2-CYANOACRYLATE (7085-85-0)

|                        |                                   |
|------------------------|-----------------------------------|
| STOT-single exposure   | May cause respiratory irritation. |
| STOT-repeated exposure | : Not classified                  |
| Aspiration hazard      | : Not classified                  |

### REACT GP Thin Adhesive

|                      |                         |
|----------------------|-------------------------|
| Viscosity, kinematic | ≈ 37 mm <sup>2</sup> /s |
|----------------------|-------------------------|

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

### 11.2.2. Other information

Potential adverse human health effects and symptoms : No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Not rapidly degradable

### HYDROQUINONE (123-31-9)

|                      |   |
|----------------------|---|
| LC50 - Fish [1]      | 0.638 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | 0.134 mg/l Test organisms (species): Daphnia magna  |
| EC50 - Crustacea [2] | 0.061 mg/l Test organisms (species): Daphnia magna  |

### 12.2. Persistence and degradability

### REACT GP Thin Adhesive

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

### 12.3. Bioaccumulative potential

### REACT GP Thin Adhesive

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

### 12.4. Mobility in soil

### REACT GP Thin Adhesive

|                  |                   |
|------------------|-------------------|
| Mobility in soil | No data available |
|------------------|-------------------|

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

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### 12.7. Other adverse effects

Additional information : No other effects known


## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
European List of Waste (LoW) code : 08 04 09\* - waste adhesives and sealants containing organic solvents or other dangerous substances

## SECTION 14: Transport information

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

| ADR   | IMDG          | IATA  | ADN           | RID           |
|---|---------------|---|---------------|---------------|
| NOT SUBJECT   |               |   |               |               |
| <b>14.1. UN number or ID number</b>                                   |               |   |               |               |
| UN 3334   | Not regulated | UN 3334   | Not regulated | Not regulated |
| <b>14.2. UN proper shipping name</b>                                  |               |   |               |               |
| Aviation regulated liquid, n.o.s. (Contains cyanoacrylate)            | Not regulated | Aviation regulated liquid, n.o.s. (Contains cyanoacrylate)                          | Not regulated | Not regulated |
| <b>Transport document description</b>                                 |               |   |               |               |
| UN 3334 Aviation regulated liquid, n.o.s. (Contains cyanoacrylate), 9 | Not regulated | UN 3334 Aviation regulated liquid, n.o.s. (Contains cyanoacrylate), 9, III          | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b>                               |               |   |               |               |
| 9   | Not regulated | 9   | Not regulated | Not regulated |
| Not applicable  | Not regulated |  | Not regulated | Not regulated |
| <b>14.4. Packing group</b>  |               |   |               |               |
| Not applicable  | Not regulated | III   | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>                                    |               |   |               |               |
| Dangerous for the environment: No                                     | Not regulated | Dangerous for the environment: No   | Not regulated | Not regulated |
| No supplementary information available                                |               |   |               |               |

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : M11  
EAC code : 2Z

#### Transport by sea

Not regulated

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### Air transport

|  |         |
|--|---------|
| PCA Excepted quantities (IATA)               | : E1    |
| PCA Limited quantities (IATA)                | : Y964  |
| PCA limited quantity max net quantity (IATA) | : 30kgG |
| PCA packing instructions (IATA)              | : 964   |
| PCA max net quantity (IATA)                  | : 100L  |
| CAO packing instructions (IATA)              | : 964   |
| CAO max net quantity (IATA)                  | : 220L  |
| Special provisions (IATA)                    | : A27   |
| ERG code (IATA)                              | : 9A    |

### Inland waterway transport

Not regulated

### Rail transport

Not regulated

## 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |                        |
|--|------------------------|
| Reference code                         | Applicable on          |
| 3(b)                                   | REACT GP Thin Adhesive |

##### REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

##### REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

##### PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

##### VOC Directive (2004/42)

VOC content : < 3 %

##### Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)



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### 15.1.2. National regulations

#### France

| Occupational diseases |  |
|-----------------------|--|
| Code                  | Description                                |
| RG 65                 | Eczematiform lesions of allergic mechanism |
| RG 66                 | Occupational rhinitis and asthma           |

#### Germany

|  |   |
|--|---|
| Employment restrictions                    | : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).<br>Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG). |
| Water hazard class (WGK)                   | : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).  |
| Hazardous Incident Ordinance (12. BImSchV) | : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)  |

#### Netherlands

|   |                                     |
|---|-------------------------------------|
| SZW-lijst van kankerverwekkende stoffen                 | : None of the components are listed |
| SZW-lijst van mutagene stoffen                          | : None of the components are listed |
| SZW-lijst van reprotoxische stoffen – Borstvoeding      | : None of the components are listed |
| SZW-lijst van reprotoxische stoffen –<br>Vruchtbaarheid | : None of the components are listed |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling      | : None of the components are listed |

#### Denmark

|                             |   |
|-----------------------------|---|
| Class for fire hazard       | : Class III-1   |
| Store unit                  | : 50 liter  |
| Classification remarks      | : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed                                      |
| Danish National Regulations | : Young people below the age of 18 years are not allowed to use the product<br>Pregnant/breastfeeding women working with the product must not be in direct contact with the product |

#### Switzerland

|                    |                      |
|--------------------|----------------------|
| Storage class (LK) | : LK 10/12 - Liquids |
|--------------------|----------------------|

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC-No.                      | European Community number   |
| EC50                        | Median effective concentration  |

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| Abbreviations and acronyms: |  |
|-----------------------------|--|
| EN                          | European Standard  |
| IARC                        | International Agency for Research on Cancer                                  |
| IATA                        | International Air Transport Association                                      |
| IMDG                        | International Maritime Dangerous Goods                                       |
| LC50                        | Median lethal concentration  |
| LD50                        | Median lethal dose   |
| LOAEL                       | Lowest Observed Adverse Effect Level   |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level   |
| NOEC                        | No-Observed Effect Concentration   |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties  |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4   |
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1                           |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1                         |
| Carc. 2                             | Carcinogenicity, Category 2   |
| EUH202                              | Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children. |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1   |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2   |
| H302                                | Harmful if swallowed.   |
| H315                                | Causes skin irritation.   |
| H317                                | May cause an allergic skin reaction.  |
| H318                                | Causes serious eye damage.  |
| H319                                | Causes serious eye irritation.  |
| H335                                | May cause respiratory irritation.   |

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### Full text of H- and EUH-statements:

|               |  |
|---------------|--|
| H341          | Suspected of causing genetic defects.  |
| H351          | Suspected of causing cancer.   |
| H400          | Very toxic to aquatic life.  |
| H410          | Very toxic to aquatic life with long lasting effects.                                      |
| Muta. 2       | Germ cell mutagenicity, Category 2   |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2  |
| Skin Sens. 1  | Skin sensitisation, Category 1   |
| STOT SE 3     | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.