



**Safety Data Sheet according to (EC) No 1907/2006 as amended**

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PATTEX 2C RAPID SUPER GLUE

SDS No. : 545132  
V001.3

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

**1.1. Product identifier**

PATTEX 2C RAPID SUPER GLUE

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

Intended use:

Cyanoacrylate

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

Henkel Jebal Ali FZCO  
PO Box 61341 - Jebel Ali  
Dubai

Utd.Arab.Emir.

SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website [www.mysds.henkel.com](http://www.mysds.henkel.com) or [www.henkel-adhesives.com](http://www.henkel-adhesives.com).

**1.4. Emergency telephone number**

HAAD Poison and Drug Information Center UAE, TOLL FREE TEL. NUMBER 800-424

**SECTION 2: Hazards identification**

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

**Classification (CLP):**

|                                                         |            |
|---------------------------------------------------------|------------|
| Skin irritation                                         | Category 2 |
| H315 Causes skin irritation.                            |            |
| Serious eye irritation                                  | Category 2 |
| H319 Causes serious eye irritation.                     |            |
| Specific target organ toxicity - single exposure        | Category 3 |
| H335 May cause respiratory irritation.                  |            |
| Target organ: respiratory tract irritation              |            |
| Chronic hazards to the aquatic environment              | Category 3 |
| H412 Harmful to aquatic life with long lasting effects. |            |

**2.2. Label elements**

**Label elements (CLP):**

**Hazard pictogram:**



**Contains**

Ethyl 2-cyanoacrylate

**Signal word:**

Warning

**Hazard statement:**

H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H412 Harmful to aquatic life with long lasting effects.

**Supplemental information**

EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.  
 Contains: Hydroquinone May produce an allergic reaction.

**Precautionary statement:**

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.

**Precautionary statement:  
 Prevention**

P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/eye protection.

**Precautionary statement:  
 Response**

P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice/attention.

**Precautionary statement:  
 Storage**

P405 Store locked up.

**Precautionary statement:  
 Disposal**

P501 Dispose of contents/container in accordance with national regulation.

**2.3. Other hazards**

None if used properly.

**Following substances are present in a concentration  $\geq$  the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):**

None

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

| Hazardous components<br>CAS-No.<br>EC Number<br>REACH-Reg. No.          | Concentration | Classification                                                                                                                                     | Specific Conc. Limits, M-factors and ATEs | Add. Information |
|-------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------|
| Ethyl 2-cyanoacrylate<br><br>7085-85-0<br>230-391-5<br>01-2119527766-29 | 80- 90 %      | Eye Irrit. 2, H319<br>STOT SE 3, H335<br>Skin Irrit. 2, H315                                                                                       | STOT SE 3; H335; C >= 10 %                |                  |
| Hydroquinone<br><br>123-31-9<br>204-617-8<br>01-2119524016-51           | 0,1- 0,5 %    | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>Carc. 2, H351<br>Muta. 2, H341<br>Acute Tox. 4, H302<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317 | M acute = 10<br>M chronic = 1             |                  |

If no ATE values are displayed, please refer to LD/LC50 values in Section 11.  
For full text of the H - statements and other abbreviations see section 16 "Other information".

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eye contact:

Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remain (intensive smarting, sensitivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

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

SKIN: Redness, inflammation.

Causes serious eye irritation.

RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.

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

See section: Description of first aid measures

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media:

carbon dioxide, foam, powder, water spray jet, fine water spray

**Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

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

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) can be released.

**5.3. Advice for firefighters**

Wear protective equipment.

Wear self-contained breathing apparatus.

**SECTION 6: Accidental release measures**

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

Wear protective equipment.

Danger of slipping on spilled product.

Ensure adequate ventilation.

Avoid contact with skin and eyes.

**6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

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

Remove with liquid-absorbing material (sand, peat, sawdust).

Dispose of contaminated material as waste according to Section 13.

**6.4. Reference to other sections**

See advice in section 8

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Ensure that workrooms are adequately ventilated.

Avoid skin and eye contact.

Hygiene measures:

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

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

Keep away from heat and direct sunlight.

Ensure adequate ventilation.

Store in a cool place, max. storage temperature 30°C.

Store in a dry place.

Keep container tightly sealed and store in a frost free place.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

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

Cyanoacrylate

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational Exposure Limits**

Valid for  
Utd.Arab.Emir.

| Ingredient [Regulated substance]                                                    | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|-------------------------------------------------------------------------------------|-----|-------------------|------------------------------|----------------------------------------------|-----------------|
| Ethyl 2-cyanoacrylate<br>7085-85-0<br>[ETHYL CYANOACRYLATE (ETHYL 2-CYANOACRYLATE)] | 0,2 | 1                 | Time Weighted Average (TWA): |                                              | AD TLV          |
| Hydroquinone<br>123-31-9<br>[HYDROQUINONE]                                          |     | 1                 | Time Weighted Average (TWA): |                                              | AD TLV          |
| Hydroquinone<br>123-31-9<br>[1,4-DIHYDROBENZENE<br>HYDROQUINONE]                    |     | 2                 | Time Weighted Average (TWA): |                                              | GCC TLV         |
| Hydroquinone<br>123-31-9<br>[1,4-DIHYDROBENZENE<br>HYDROQUINONE]                    |     | 2                 | Time Weighted Average (TWA): |                                              | UAE OEL         |

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**Occupational Exposure Limits**

Valid for  
Bahrain

| Ingredient [Regulated substance]                                  | ppm | mg/m <sup>3</sup> | Value type                   | Short term exposure limit category / Remarks | Regulatory list |
|-------------------------------------------------------------------|-----|-------------------|------------------------------|----------------------------------------------|-----------------|
| Hydroquinone<br>123-31-9<br>[HYDRO QUINONE<br>1,4-DIHYDROBENZENE] |     | 2                 | Time Weighted Average (TWA): |                                              | BH TLV          |
| Hydroquinone<br>123-31-9<br>[1,4-DIHYDROBENZENE<br>HYDROQUINONE]  |     | 2                 | Time Weighted Average (TWA): |                                              | GCC TLV         |

**Occupational Exposure Limits**

Valid for  
Egypt

None

**Occupational Exposure Limits**

Valid for  
Jordan

| Ingredient [Regulated substance]           | ppm | mg/m <sup>3</sup> | Value type                        | Short term exposure limit category / Remarks | Regulatory list |
|--------------------------------------------|-----|-------------------|-----------------------------------|----------------------------------------------|-----------------|
| Hydroquinone<br>123-31-9<br>[HYDROQUINONE] | 75  | 360               | Short Term Exposure Limit (STEL): |                                              | JO TLV          |
| Hydroquinone<br>123-31-9<br>[HYDROQUINONE] | 50  | 240               | Time Weighted Average (TWA):      |                                              | JO TLV          |

**Occupational Exposure Limits**

Valid for  
Kuwait

| Ingredient [Regulated substance]                                 | ppm | mg/m <sup>3</sup> | Value type                                         | Short term exposure limit category / Remarks | Regulatory list |
|------------------------------------------------------------------|-----|-------------------|----------------------------------------------------|----------------------------------------------|-----------------|
| Hydroquinone<br>123-31-9<br>[1,4-DIHYDROBENZENE<br>HYDROQUINONE] |     | 2                 | Time Weighted Average (TWA):                       |                                              | GCC TLV         |
| Hydroquinone<br>123-31-9<br>[HYDROQUINONE]                       |     | 50                | Harmful Concentration for risk to health and life: |                                              | KW OEL          |

**Occupational Exposure Limits**

Valid for  
Israel

| Ingredient [Regulated substance]                              | ppm | mg/m <sup>3</sup> | Value type                        | Short term exposure limit category / Remarks | Regulatory list |
|---------------------------------------------------------------|-----|-------------------|-----------------------------------|----------------------------------------------|-----------------|
| Ethyl 2-cyanoacrylate<br>7085-85-0<br>[Cyanoacrylates, Ethyl] | 0,2 |                   | Time Weighted Average (TWA):      |                                              | IL OEL          |
| Ethyl 2-cyanoacrylate<br>7085-85-0                            | 1   |                   | Short-term exposure limit (STEL): |                                              | IL OEL          |

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|                                            |  |   |                                 |        |
|--------------------------------------------|--|---|---------------------------------|--------|
| [Cyanoacrylates, Ethyl]                    |  |   |                                 |        |
| Hydroquinone<br>123-31-9<br>[Hydroquinone] |  | 1 | Time Weighted Average<br>(TWA): | IL OEL |

## Occupational Exposure Limits

Valid for  
Kenya

| Ingredient [Regulated substance]                                 | ppm | mg/m <sup>3</sup> | Value type                             | Short term exposure limit category / Remarks | Regulatory list |
|------------------------------------------------------------------|-----|-------------------|----------------------------------------|----------------------------------------------|-----------------|
| Hydroquinone<br>123-31-9<br>[P-DIHYDROXYBENZENE<br>HYDROQUINONE] |     | 2                 | Time-weighted average<br>(TWA) OEL-RL: |                                              | KE OEL-RL       |
| Hydroquinone<br>123-31-9<br>[HYDROQUINONE<br>P-DIHYDROXYBENZENE] |     | 4                 | Short-term OEL-RL:                     |                                              | KE OEL-RL       |

## Biological Exposure Indices:

None

## 8.2. Exposure controls:

### Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.  
Combination filter: ABEKP (EN 14387)  
This recommendation should be matched to local conditions.

### Hand protection:

Recommended are gloves made from Nitril rubber ( Material thickness >0,1 mm, Perforation time < 30s).Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

In the case of longer contact protective gloves made from nitrile rubber are recommended according to EN 374.

Perforation time > 30 minutes  
material thickness > 0.4 mm

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

### Eye protection:

Goggles which can be tightly sealed.  
Protective eye equipment should conform to EN166.

### Skin protection:

Suitable protective clothing  
Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

### Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

## SECTION 9: Physical and chemical properties

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

|                                        |                                                               |
|----------------------------------------|---------------------------------------------------------------|
| Delivery form                          | liquid                                                        |
| Colour                                 | Colourless / Colorless                                        |
| Odor                                   | Characteristic                                                |
| Physical state                         | liquid                                                        |
| Melting point                          | Not applicable, Product is a liquid                           |
| Initial boiling point                  | > 200 °C (> 392 °F); Internal Henkel specification            |
| Flammability                           | Not applicable                                                |
| Explosive limits                       | Currently under determination                                 |
| Flash point                            | 80 - 93,4 °C (176 - 200.12 °F); Internal Henkel specification |
| Auto-ignition temperature              | 485 °C (905 °F)                                               |
| Decomposition temperature              | Currently under determination                                 |
| pH                                     | 5,8 - 6,3 Internal Henkel specification                       |
| (20 °C (68 °F); Conc.: 100 % product)  |                                                               |
| Viscosity (kinematic)                  | Currently under determination                                 |
| Viscosity, dynamic                     | 1.200 - 1.800 mPa.s Internal Henkel specification             |
| (; 20 °C (68 °F))                      |                                                               |
| Solubility (qualitative)               | Polymerises in presence of water.                             |
| (20 °C (68 °F); Solvent: Water)        |                                                               |
| Partition coefficient: n-octanol/water | Not applicable                                                |
|                                        | Mixture                                                       |
|                                        | < 0,2 mbar                                                    |
| Vapour pressure                        |                                                               |
| (50 °C (122 °F))                       |                                                               |
| Density                                | 1,05 - 1,07 g/cm3 Internal Henkel specification               |
| (20 °C (68 °F))                        |                                                               |
| Relative vapour density:               | 3                                                             |
| (20 °C)                                |                                                               |
| Particle characteristics               | Not applicable                                                |
|                                        | Product is a liquid                                           |

**9.2. Other information**

Ignition temperature 485 °C (905 °F)

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

None if used for intended purpose.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

See section reactivity

**10.4. Conditions to avoid**

None if used for intended purpose.

**10.5. Incompatible materials**

None if used properly.

**10.6. Hazardous decomposition products**

None known.

### SECTION 11: Toxicological information

**General toxicological information:**

An allergic reaction cannot be excluded after repeated skin contact.

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Based on available data, the classification criteria are not met.

| Hazardous substances<br>CAS-No.    | Value<br>type | Value         | Species | Method                                                            |
|------------------------------------|---------------|---------------|---------|-------------------------------------------------------------------|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | LD50          | > 5.000 mg/kg | rat     | equivalent or similar to OECD Guideline 423 (Acute Oral toxicity) |
| Hydroquinone<br>123-31-9           | LD50          | 367 mg/kg     | rat     | OECD Guideline 401 (Acute Oral Toxicity)                          |

**Acute dermal toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Based on available data, the classification criteria are not met.

| Hazardous substances<br>CAS-No.    | Value<br>type | Value         | Species | Method                                                              |
|------------------------------------|---------------|---------------|---------|---------------------------------------------------------------------|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | LD50          | > 2.000 mg/kg | rabbit  | equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity) |
| Hydroquinone<br>123-31-9           | LD50          | > 2.000 mg/kg | rabbit  | OECD Guideline 402 (Acute Dermal Toxicity)                          |

**Acute inhalative toxicity:**

No data available.

**Skin corrosion/irritation:**

Bonds skin in seconds. Considered to be of low toxicity: acute dermal LD50 (rabbit)>2000mg/kg  
Due to polymerisation at the skin surface allergic reaction is unlikely to occur

| Hazardous substances<br>CAS-No.    | Result                 | Exposure<br>time | Species | Method                                                                            |
|------------------------------------|------------------------|------------------|---------|-----------------------------------------------------------------------------------|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | slightly<br>irritating | 24 h             | rabbit  | equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| Hydroquinone<br>123-31-9           | not irritating         | 24 h             | rabbit  | Weight of evidence                                                                |

**Serious eye damage/irritation:**

Liquid product will bond eyelids. In a dry atmosphere (RH<50%) vapours may cause irritation and lachrymatory effect

| Hazardous substances<br>CAS-No.    | Result     | Exposure<br>time | Species | Method                                                                         |
|------------------------------------|------------|------------------|---------|--------------------------------------------------------------------------------|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | irritating |                  | rabbit  | equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Hydroquinone<br>123-31-9           | corrosive  |                  | human   | Weight of evidence                                                             |

**Respiratory or skin sensitization:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Based on available data, the classification criteria are not met.

| Hazardous substances<br>CAS-No.    | Result          | Test type                          | Species    | Method                                                                                   |
|------------------------------------|-----------------|------------------------------------|------------|------------------------------------------------------------------------------------------|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | not sensitising | Guinea pig maximisation test       | guinea pig | equivalent or similar to OECD Guideline 406 (Skin Sensitisation)                         |
| Hydroquinone<br>123-31-9           | sensitising     | Guinea pig maximisation test       | guinea pig | equivalent or similar to OECD Guideline 406 (Skin Sensitisation)                         |
| Hydroquinone<br>123-31-9           | sensitising     | Mouse local lymphnode assay (LLNA) | mouse      | equivalent or similar to OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) |

**Germ cell mutagenicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Based on available data, the classification criteria are not met.

| Hazardous substances<br>CAS-No.    | Result   | Type of study /<br>Route of<br>administration    | Metabolic<br>activation /<br>Exposure time | Species | Method                                                                                            |
|------------------------------------|----------|--------------------------------------------------|--------------------------------------------|---------|---------------------------------------------------------------------------------------------------|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without                           |         | equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay)                    |
| Ethyl 2-cyanoacrylate<br>7085-85-0 | negative | in vitro mammalian chromosome aberration test    | with and without                           |         | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)                                |
| Ethyl 2-cyanoacrylate<br>7085-85-0 | negative | mammalian cell gene mutation assay               | with and without                           |         | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)                                   |
| Hydroquinone<br>123-31-9           | negative | bacterial reverse mutation assay (e.g Ames test) | with and without                           |         | equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay)                    |
| Hydroquinone<br>123-31-9           | negative | in vitro mammalian chromosome aberration test    | with and without                           |         | OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)                                |
| Hydroquinone<br>123-31-9           | positive | mammalian cell gene mutation assay               | with and without                           |         | OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)                                   |
| Hydroquinone<br>123-31-9           | positive | intraperitoneal                                  |                                            | mouse   | equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)             |
| Hydroquinone<br>123-31-9           | negative | oral: gavage                                     |                                            | rat     | equivalent or similar to OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test)     |
| Hydroquinone<br>123-31-9           | positive | intraperitoneal                                  |                                            | mouse   | equivalent or similar to OECD Guideline 483 (Mammalian Spermatogonial Chromosome Aberration Test) |

**Carcinogenicity**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Based on available data, the classification criteria are not met.

| Hazardous components CAS-No. | Result       | Route of application | Exposure time / Frequency of treatment | Species | Sex         | Method                                                                                         |
|------------------------------|--------------|----------------------|----------------------------------------|---------|-------------|------------------------------------------------------------------------------------------------|
| Hydroquinone 123-31-9        | carcinogenic | oral: gavage         | 103 w<br>5 d/w                         | rat     | male/female | equivalent or similar OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |
| Hydroquinone 123-31-9        | carcinogenic | oral: gavage         | 103 w<br>5 d/w                         | mouse   | female      | equivalent or similar OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies) |

**Reproductive toxicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Based on available data, the classification criteria are not met.

| Hazardous substances CAS-No. | Result / Value                                               | Test type            | Route of application | Species | Method                                                |
|------------------------------|--------------------------------------------------------------|----------------------|----------------------|---------|-------------------------------------------------------|
| Hydroquinone 123-31-9        | NOAEL P 15 mg/kg<br>NOAEL F1 150 mg/kg<br>NOAEL F2 150 mg/kg | Two generation study | oral: gavage         | rat     | EPA OTS 798.4700 (Reproduction and Fertility Effects) |

**STOT-single exposure:**

No data available.

**STOT-repeated exposure:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Based on available data, the classification criteria are not met.

| Hazardous substances CAS-No. | Result / Value   | Route of application | Exposure time / Frequency of treatment | Species | Method                                                                                 |
|------------------------------|------------------|----------------------|----------------------------------------|---------|----------------------------------------------------------------------------------------|
| Hydroquinone 123-31-9        | NOAEL 50 mg/kg   | oral: gavage         | 13 w<br>5 d/w                          | rat     | not specified                                                                          |
| Hydroquinone 123-31-9        | NOAEL 73,9 mg/kg | dermal               | 13 w<br>6 h/d, 5 d/w                   | rat     | equivalent or similar to OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |

**Aspiration hazard:**

No data available.

**11.2 Information on other hazards**

**11.2.1 Endocrine disrupting properties**

No data available.

## SECTION 12: Ecological information

### General ecological information:

Do not empty into drains, soil or bodies of water.

### 12.1. Toxicity

#### Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value      | Exposure time | Species             | Method                                                   |
|---------------------------------|---------------|------------|---------------|---------------------|----------------------------------------------------------|
| Hydroquinone<br>123-31-9        | LC50          | 0,638 mg/l | 96 h          | Oncorhynchus mykiss | OECD Guideline 203 (Fish, Acute Toxicity Test)           |
| Hydroquinone<br>123-31-9        | NOEC          | 0,066 mg/l | 32 d          | Pimephales promelas | OECD Guideline 210 (fish early life stage toxicity test) |

#### Toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value      | Exposure time | Species       | Method                                                     |
|---------------------------------|---------------|------------|---------------|---------------|------------------------------------------------------------|
| Hydroquinone<br>123-31-9        | EC50          | 0,134 mg/l | 48 h          | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |

#### Chronic toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value       | Exposure time | Species       | Method                                      |
|---------------------------------|---------------|-------------|---------------|---------------|---------------------------------------------|
| Hydroquinone<br>123-31-9        | NOEC          | 0,0057 mg/l | 21 d          | Daphnia magna | OECD 211 (Daphnia magna, Reproduction Test) |

#### Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value      | Exposure time | Species                                                                    | Method                                               |
|---------------------------------|---------------|------------|---------------|----------------------------------------------------------------------------|------------------------------------------------------|
| Hydroquinone<br>123-31-9        | EC50          | 0,330 mg/l | 72 h          | Raphidocelis subcapitata (new<br>name: Pseudokirchneriella<br>subcapitata) | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |
| Hydroquinone<br>123-31-9        | NOEC          | 0,019 mg/l | 72 h          | Raphidocelis subcapitata (new<br>name: Pseudokirchneriella<br>subcapitata) | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |

#### Toxicity (microorganisms):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value   | Exposure time | Species                                                | Method           |
|---------------------------------|---------------|---------|---------------|--------------------------------------------------------|------------------|
| Hydroquinone<br>123-31-9        | EC50          | 71 mg/l | 2 h           | activated sludge of a<br>predominantly domestic sewage | other guideline: |

## 12.2. Persistence and degradability

#### Biodegradability (Screening Tests):

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.    | Result                     | Test type | Degradability | Exposure<br>time | Method                                                                                      |
|------------------------------------|----------------------------|-----------|---------------|------------------|---------------------------------------------------------------------------------------------|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | not readily biodegradable. | aerobic   | 57 %          | 28 d             | OECD Guideline 301 D (Ready<br>Biodegradability: Closed Bottle<br>Test)                     |
| Hydroquinone<br>123-31-9           | readily biodegradable      | aerobic   | > 75 - 81 %   | 30 d             | EU Method C.4-E (Determination<br>of the "Ready"<br>Biodegradability Closed Bottle<br>Test) |

#### (Bio)degradability (Simulation Tests):

No data available.

## 12.3. Bioaccumulative potential

#### Partition Coefficient (octanol/water)

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No.    | LogPow | Temperature | Method                                |
|------------------------------------|--------|-------------|---------------------------------------|
| Ethyl 2-cyanoacrylate<br>7085-85-0 | 0,776  | 22 °C       | EU Method A.8 (Partition Coefficient) |
| Hydroquinone<br>123-31-9           | 0,59   |             | EU Method A.8 (Partition Coefficient) |

#### Bioconcentration factor (BCF)

No data available.

**12.4. Mobility in soil**

The table below presents the data of the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | LogKoc | pH | Method                                              |
|---------------------------------|--------|----|-----------------------------------------------------|
| Hydroquinone<br>123-31-9        | 2,381  |    | QSAR (Quantitative Structure Activity Relationship) |

**12.5. Results of PBT / vPvB / PMT / vPvM assessment****PBT/vPvB**

This mixture does not contain any substances that are assessed to be a PBT or vPvB.  
Based on available data, the classification criteria are not met.

**PMT/vPvM**

This mixture does not contain any substances that are assessed to be a PMT or vPvM.  
Based on available data, the classification criteria are not met.

**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No data available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

080409

**SECTION 14: Transport information**

**14.1. UN number or ID number**

|      |                     |
|------|---------------------|
| ADR  | Not dangerous goods |
| RID  | Not dangerous goods |
| ADN  | Not dangerous goods |
| IMDG | Not dangerous goods |
| IATA | 3334                |

**14.2. UN proper shipping name**

|      |                                                         |
|------|---------------------------------------------------------|
| ADR  | Not dangerous goods                                     |
| RID  | Not dangerous goods                                     |
| ADN  | Not dangerous goods                                     |
| IMDG | Not dangerous goods                                     |
| IATA | Aviation regulated liquid, n.o.s. (Cyanoacrylate ester) |

**14.3. Transport hazard class(es)**

|      |                     |
|------|---------------------|
| ADR  | Not dangerous goods |
| RID  | Not dangerous goods |
| ADN  | Not dangerous goods |
| IMDG | Not dangerous goods |
| IATA | 9                   |

**14.4. Packing group**

|      |                     |
|------|---------------------|
| ADR  | Not dangerous goods |
| RID  | Not dangerous goods |
| ADN  | Not dangerous goods |
| IMDG | Not dangerous goods |
| IATA | III                 |

**14.5. Environmental hazards**

|      |                |
|------|----------------|
| ADR  | not applicable |
| RID  | not applicable |
| ADN  | not applicable |
| IMDG | not applicable |
| IATA | not applicable |

**14.6. Special precautions for user**

|      |                                                          |
|------|----------------------------------------------------------|
| ADR  | not applicable                                           |
| RID  | not applicable                                           |
| ADN  | not applicable                                           |
| IMDG | not applicable                                           |
| IATA | Not more than 500 ml (each inner package) - Unrestricted |

**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**

No information available:

|                                                                |                |
|----------------------------------------------------------------|----------------|
| Ozone Depleting Substance (ODS) (Regulation (EC) No 2024/590): | Not applicable |
| Persistent organic pollutants (Regulation (EU) 2019/1021):     | Not applicable |

**15.2. Chemical safety assessment**

A chemical safety assessment has been carried out.

**SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

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.  
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.

Abbreviations and acronyms:

ADG(-Code): Australian Dangerous Goods (Code)  
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  
ASTM: American Society for Testing and Materials  
ATE: acute toxicity estimate  
AS: Australian Standard  
AwSV: Ordinance on Installations for the Handling of Substances Hazardous to Water  
CAS: Chemical Abstract Service  
CLP: Regulation (EC) No 1272/2008  
CMR: cancerogenic, mutagenic or reprotoxic  
DIN: German Institute for Standardization  
ECx: Effective concentration (x% effective level)  
ECHA: European Chemicals Agency  
EC-Nummer: Substance number in the EU-inventories EINECS/ELINCS  
ECTLV: European community threshold limit value  
ED: Substance identified as having endocrine disrupting properties  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
EN : European Standard  
ENCS: Japanese chemical inventory  
EPA: US Environmental Protection Agency  
EU: European Union  
EU EXPLD1: Substance listed in Annex I, Reg (EC) No. 2019/1148  
EU EXPLD2: Substance listed in Annex II, Reg (EC) No. 2019/1148  
EWC: European Waste Catalogue  
GHS: Globally Harmonised System for Classification and Labelling of Chemicals  
GLP: Good Laboratory Practice  
HSNO: Hazardous Substances and New Organisms  
IARC: International Agency for Research of Cancer  
IATA: International Air Transport Association  
IBC-Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50: half maximal inhibitory concentration  
ICAO: International Civil Aviation Organization  
IMDG-Code: International Maritime Code for Dangerous Goods  
IMO: International Maritime Organization  
ISO: International Standardization Organisation  
LC50: Median lethal concentration  
LD50: Median lethal dose  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
n.o.s.: not otherwise specified  
NO(A)EC: No (adverse) effect concentration  
NO(A)EL: No (adverse) effect level  
NZS: New Zealand Standard  
OECD: Organisation for Economic Co-operation and Development  
OEL: Occupational Exposure Limit  
OPPT: US EPA Office of Pollution Prevention and Toxics  
OPPTS: US EPA Office of Prevention, Pesticides and Toxic Substances  
PBT: Persistent, bioaccumulative, toxic

PMT: Persistent, mobile and toxic  
(Q)SAR: (Quantitative) structure–activity relationship  
REACH: Regulation (EC) No. 1907/2006  
RID: Regulations concerning the International Transport of Dangerous Goods by Rail  
SADT: Self Accelerating Decomposition Temperature  
SDS: Safety Data Sheet  
STOT: Specific Target Organ Toxicity  
STOT SE: Specific Target Organ Toxicity - single exposure  
STOT RE: Specific Target Organ Toxicity - repeated exposure  
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons  
SVHC: Substance of very high concern (REACH Candidate List)  
TRGS: German Technical Rules for hazardous substances  
UN: United Nations  
VOC: Volatile Organic Compound  
814.018 VOC Reg CH: Swiss Ordinance 814.018 on the Incentive Tax on Volatile Organic Compounds  
vPvB: Very persistent, very bioaccumulative  
vPvM: Very persistent and very mobile  
VwVwS: Administrative Regulation on Substances Hazardous to Waters  
WGK: Water hazard class

**Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

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