

Safety Data Sheet

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

1.1 Product identifier **RAPID ADHESIVE**

UFI code 5YEW-U2WP-QC1X-NXV9

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

Product is used for sealing of dry and broken stone fragments.

1.3 Details of the supplier of the safety data sheet

| | | |
|--|---|--|
| Manufacturer/Supplier: Street: Country code /Postal code/City: Telephone: Fax: | INTERDENT d.o.o. Opekarniška cesta 26 SI-3000 Celje +386(0) 425-62-00 +368(0) 490-62-02 | <i>Production:</i> INTERDENT d.o.o. Dol 1 SI-3342 Gornji Grad |
|--|---|--|

1.4 Emergency telephone number

Emergency phone: +386(0) 425-62-00

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

| | | |
|--|--|---|
| Skin corrosion/irritation | Hazard Category 2 | H315: Causes skin irritation. |
| Serious eye damage/eye irritation | Hazard Category 2 | H319: Causes serious eye irritation. |
| Specific target organ toxicity – Single exposure | Hazard Category 3, Respiratory tract irritation, | H335: May cause respiratory irritation. |

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008:

Hazard pictograms:

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Signal word: WARNING

Hazard statements:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

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

Precautionary statement:

Prevention:

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

P102 Keep out of reach of children.

P261 Avoid breathing vapours.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/eye protection/ face protection.

Response:

P302+P352 IF ON SKIN: Wash with plenty water and soap.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell

P332+P313 If skin irritation occurs: Get medical advice/attention

P337+P313 If eye irritation persists: Get medical advice/attention.

Disposal:

P501 Dispose of content/container to in accordance with local/national regulations.

Component on the label:

Ethyl-2-cyanoacrylate

2.3 Other hazards

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People who are allergic to cyanoacrylates should avoid the use of the product.
 PBT and vPvB evaluations are in chapter 12.5

SECTION 3: Composition / information on ingredients

| Chemical name | CAS Nr. EC-Number INDEX number | % | Classification according to EC 1272/2008 | |
|-----------------------|---|-------|---|--|
| | | | Hazardous class/hazardous category | Hazardous phrases |
| Ethyl-2-cyanoacrylate | 607-236-00-9 230-391-5 7085-85-0 | 70-90 | Eye Irrit. 2 STOT SE 3 Skin Irrit. 2 | H319 H335 H315 |
| 1,4-Dihydroxybenzene | 604-005-00-4 204-617-8 123-31-9 | < 0,1 | Carc. 2 Muta. 2 Acute Tox. 4 * Eye Dam. 1 Skin Sens. 1 Aquatic Acute 1 | H351 H341 H302 H318 H317 H400 |

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General information

Take off contaminated clothing and wash before reuse.

Inhalation:

Ensure supply of fresh air. In the event of symptoms seek medical treatment.

Skin contact:

Soak the bonded surfaces in warm soapy water or in a warm 1% sodium bicarbonate solution. Gently peel or roll surfaces apart using a blunt edge, e.g., the handle of a spoon or a spatula. Do not attempt to pull the surfaces apart forcibly. Remove remaining adhesive residue from the skin with plenty of soap and water.

Eye contact:

If eyelids are glued together, wash thoroughly and gently with lukewarm water and apply a gauze pad to the eye. Do not attempt to force the eye open. Seek medical attention. Cyanoacrylate will adhere to eye proteins and cause periods of tearing, which will help to debond the adhesive. The eye will open without further measures within 1–3 days, even after heavy contamination. Temporary double vision may occur during this period. Permanent eye damage is not expected.

Ingestion:

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If lips are accidentally bonded together, apply plenty of warm water to the lips and encourage maximum wetting, as well as pressure from saliva inside the mouth. Gently peel or roll the lips apart. Do not attempt to pull the lips apart by force.

The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard. Ensure breathing passages are not obstructed. Saliva will separate the solidified product from the mouth over a period of hours. Do not try to pull the polymerised adhesive from the mouth. Keep checking the mouth to ensure that the person doesn't swallow it when it detaches.

4.2 Most important symptoms and effects, both acute and delayed

Cyanoacrylates give off heat on solidification. Gross contamination with the adhesive may generate enough heat to cause a burn. Burns should be treated normally after the polymer has been removed gently from the skin. If the person experiences a burning sensation flood the contaminated skin immediately with plenty of cold water to cool the burn. Continue to remove the adhesive by gently peeling or rolling it from the skin whilst soaking the contaminated area in cold water. It will take longer to remove the adhesive with cold water but it will still be effective.

Accidental bonding of clothing with cyanoacrylate adhesive on the human skin:

If the cyanoacrylate adhesive has been splashed on the clothing and has soaked through to the skin the clothing should never be forcibly removed from the skin. If the clothing has bonded directly on the skin and the person isn't experiencing a burning sensation the affected area should be soaked with warm soapy water and the clothing removed gently by peeling or rolling back. Cold water should be used in cases where there is any burning sensation. Forcible removal of bonded clothing from the skin could lead to mechanical damage occurring to the skin and this could result in a more severe injury.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment. Forward this sheet to the doctor.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable:

Carbon dioxide. Water spray jet. Sand. Dry powder

Unsuitable:

Full water jet

5.2 Special hazards arising from the substance or mixture

Carbon monoxide (CO). Risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters

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Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus.

Collect contaminated firefighting water separately, must not be discharged into the drains. Cool containers at risk with water spray jet.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep away from all sources of ignition. Forms slippery surfaces with water. Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2 Environmental precautions

Flood the spillage with water to induce polymerization of the product. Remove the cured material mechanically by brushing from the floor. The polymerized product is not classified as a hazardous chemical.

6.3 Methods and material for containment and cleaning up

Do not use absorbent material; instead, use water to ensure the product polymerizes and solidifies.

6.4 Reference to other sections

Safe handling: see section 7. Personal protection equipment: see section 8. Disposal: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

In case of using larger quantities, ensure proper ventilation. In a dental laboratory, handling is limited to a maximum 20 g package, so ventilation is not necessary.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cold, dry place, in closed container. Protect from moisture.

7.3. Specific end use(s)

Product is intended to be used in dental laboratories. All recommendations for safe use are intended for professional use of the product.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

EU – Commission Directive 98/24/EC, including all amendments and modifications, Regulation on the protection of workers from risks related to exposure to chemical

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substances at work (Official Gazette RS, No. 72/2021, 29/2024, 26/2025),
Regulation on the protection of workers from risks related to exposure to carcinogenic,
mutagenic, or reprotoxic substances at work (Official Gazette RS, No. 29/2024, 26/2025).

Substance: Ethyl-2-cyanoacrylate 7085-85-0

Short-term exposure (15-minute): 0,3 ppm, 1,5 mg/m³

DNEL

Industrial, inhalative, Long-term - systemic effects: 9,25 mg/m³.

Industrial, inhalative, Long-term - local effects: 9,25 mg/m³.

general population, inhalative, Long-term - systemic effects: 9,25 mg/m³.

general population, inhalative, Long-term - local effects: 9,25 mg/m³.

8.2 Exposure controls

Personal protective equipment in accordance with Regulation (EU) 2016/425 and the List of harmonized standards for OVO-2018 / C 209/03.

General safety precautions:

Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin. Ventilate the workplace frequently by opening windows if the building does not have central ventilation.

Respiratory protection:

In case of exposure to larger quantities, ensure adequate ventilation in the workplace. Respiratory protective mask for high concentrations: half-mask (EN 140), filter A (EN 14387). In dental laboratories where handling is brief with 20 g packaging, respiratory protection is not required.

Hand protection:

Use nitrile gloves according to EN 374-1 Type B.

Eye protection:

Wear polycarbonate safety goggles (EN 166). If corrective glasses are used, additional eye protection is not necessary.

Skin protection:

Wear work clothing.

Environmental exposure control:

Do not release into water or sewage. The product polymerizes upon contact with moisture and water and hardens quickly.

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| SECTION 9: Physical and chemical properties | |
|--|------------|
| 9.1 Information on basic physical and chemical properties | |
| Physical state | liquid |
| Colour | colourless |
| Odour | pungent |
| pH | n.a. |
| Melting point/freezing point | n.a. |
| Initial boiling point and boiling range | 150°C |
| Flash point | 87°C |
| Evaporation rate | n.a. |
| Flammability | n.a. |
| Explosive limits | n.a. |
| Vapor pressure | n.a. |
| Vapour density | n.a. |
| Density [g/ml] | 1,05 |
| Solubility | insoluble |
| Partition coefficient: n-octanol/water | n.a. |
| Auto-ignition temperature | 500°C |
| Decomposition temperature | n.a. |
| Kinematic viscosity | n.a. |
| Explosive properties | n.a. |
| Oxidising properties | n.a. |
| Particle characteristics | n.a. |
| 9.2 Other information | |
| No additional information relevant to safe use of the product. | |

| SECTION 10: Stability and reactivity |
|--|
| 10.1 Reactivity See section 10.3 |
| 10.2 Chemical stability Stable under normal conditions (ambient temperature) and proper use. |
| 10.3 Possibility of hazardous reaction Reactions with strong oxidizing agents. Reactions with water. Reactions with amines. Reactions with alcohols. Reactions with alkalies (lyes). |
| 10.4 Conditions to avoid Strong heating |

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10.5 Incompatible materials

See section 7

10.6 Hazardous decomposition products

Irritant gases/vapours

SECTION 11: Toxicological information

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

General remarks:

Cyanoacrylates bond skin and eyelids in seconds. In the case of large spills on the skin, superficial burns may occur - treat accordingly. There may be irritation and redness at the site of contact.

Toxicological data of complete product are not available.

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.

Acute toxicity:

Important LD/LC50 values for classification

Product

| | |
|----------------|--------------|
| ATEmix, dermal | > 2000 mg/kg |
| ATEmix, oral | > 5000 mg/kg |

Important LD/LC50 values for classification

Substance: Ethyl-2-cyanoacrylate, CAS: 7085-85-0

| | |
|--------------------|---------------------------------|
| Oral LD50 | > 5000 mg/kg (rat, OECD 401) |
| Dermal LD50 | > 2000 mg/kg (rabbit, OECD 402) |

Important LD/LC50 values for classification

Substance: 1,4-Dihydroxybenzene, CAS: 123-31-9

| | |
|--------------------|---------------------|
| Oral LD50 | 375 mg/kg (rat) |
| Dermal LD50 | 2000 mg/kg (rabbit) |

Skin corrosion/irritation:

Toxicological data of complete product are not available.

Irritant

Calculation method

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Serious eye damage/irritation:

Toxicological data of complete product are not available.

Irritant

Calculation method

Respiratory or skin sensitization: Based on the available information, the classification criteria are not fulfilled.

Germ cell mutagenicity: Based on the available information, the classification criteria are not fulfilled. Does not contain a relevant substance that meets the classification criteria.

Carcinogenicity: Based on the available information, the classification criteria are not fulfilled. Does not contain a relevant substance that meets the classification criteria.

Reproductive toxicity: Based on the available information, the classification criteria are not fulfilled. Does not contain a relevant substance that meets the classification criteria.

STOT-single exposure:

Toxicological data of complete product are not available. May cause respiratory irritation.

Calculation method

STOT-repeated exposure: Based on the available information, the classification criteria are not fulfilled.

Aspiration hazard: Based on the available information, the classification criteria are not fulfilled.

SECTION 12: Ecology information

12.1 Toxicity

Substance: 1,4-Dihydroxybenzene, CAS: 123-31-9

| | |
|-------------|-------------------------------------|
| LC50 | 638 µg/L (fish, 96 h) |
| EC50 | 33 – 330 µg/L (algae, 72 h) |
| EC50 | 61 – 134 µg/L (Invertebrates, 48 h) |

12.2 Persistence and degradability

Not determined

12.3 Bioaccumulative potential

No evidence for bioaccumulation potential.

12.4 Mobility in soil

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Cured product is immobile

12.5 Results of PBT and vPvB assessment

The substance is not considered to be persistent, bioaccumulative or toxic. The substance is not considered to be very persistent and very bioaccumulative.

12.6 Other adverse effects

Ecological data of complete product are not available.

Do not discharge product unmonitored into the environment. Do not allow product to reach the drainage.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Methods of disposal:

Dispose of content/container to in accordance with local/national regulations.

Waste disposal:

Store waste separately. Due to the risk of contamination, dispose of it as industrial waste or as hazardous waste.

Contaminated packaging:

Store waste separately. Due to the risk of contamination, dispose of it as industrial waste or as hazardous waste.


Disposal of empty packaging:

Uncontaminated packaging can be used for recycling. Packaging that cannot be cleaned must be disposed of as the product. Packaging to be discarded must be completely empty.

Product category: 08 04 09* – waste adhesives and sealants containing organic solvents or other hazardous substances

Empty packaging category: 15 01 10* – packaging containing residues or contaminated with hazardous substances

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| SECTION 14: Transport Information | | | | |
|--|------------------------------|--------------------------|--|----------------|
| | Land-Road/Railway (ADR/RID): | Inland waterways (ADNR): | IATA | Sea (IMDG): |
| 14.1 UN number | Not applicable | Not applicable | 3334 | Not applicable |
| 14.2 UN proper shipping name | Not applicable | Not applicable | Aviation regulated liquid, n.o.s. (Cyanoacrylates) [only for more then 0,5l]  | Not applicable |
| 14.3 Transport hazard class(es) | | | | |
| 14.4 Packing group | Not applicable | | | |
| 14.5 Environmental hazards | Not applicable | | | |
| 14.6 Special precautions for user | No special precautions | | | |
| 14.7 Maritime transport in bulk according to IMO instruments | Not applicable | | | |
| Not a dangerous product within the meaning of the transport regulations. | | | | |

SECTION 15: Regulatory information

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

The product is classified in accordance with the requirements of Regulation (EC) No 1272/2008 and 1907/2006, including their amendments, and the corresponding national legislation: the Implementing Regulation of the EU Regulation on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Official Gazette of the Republic of Slovenia, No. 23/08 and 191/20, and the Implementing Regulation of EU Regulation No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006, Official Gazette of the Republic of Slovenia, No. 56/10.

15.2 Chemical safety assessment

Chemical safety assessment has been carried out.

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SECTION 16: Other information

Revision:

Version 09 issued on July 2025 in accordance with EC 1907/2006 (Commission Regulation (EU) 2015/830) and EC 1272/2008.

Revision in accordance to changes in COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Legend of abbreviations:

ADR – European agreement concerning the international carriage of dangerous goods by road

CAS – Chemical Abstracts Service

CLP – Classification, Labeling and Packaging

CMR – Carcinogenic, Mutagenic or toxic for Reproduction

DNEL - Derived no-effect level

EC50: Half maximal effective concentration

EmS – Emergency Schedule

GHS – Globally Harmonised System of Classification and Labeling of Chemicals

IATA – International Air Transport Association

IUCLID – International Uniform Chemical Information Database

IMDG – International Maritime Dangerous Goods Code

LC50: Lethal concentration, 50%

LD50: Median lethal dose; the dose causing 50% lethality

MARPOL – International convention for the prevention of pollution from ships

NOEC - No-observed-effect concentration

NOAEL – No-observed-adverse-effect level

NTP- National Toxicology Program

OEL - Occupational exposure limit

OECD - Organisation for Economic Co-operation and Development

PBT – Persistent Bioaccumulative Toxic

PNEC: Predicted no-effect concentration

Ppm – parts per million

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals

RTECS – The Registry of Toxic Effects of Chemical Substances

RID – Regulation concerning the international carriage of dangerous goods by rail

vPvB – very Persistent and very Bioaccumulative

H400 Very toxic to aquatic life.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H302 Harmful if swallowed.

H341 Suspected of causing genetic defects.

H351 Suspected of causing cancer.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

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References:

- Regulation (EC) No 1907/2006 (REACH), as amended by 2015/830/EU
- Regulation (EC) No 1272/2008 (CLP, EU GHS)
- Commission Directive 2009/161/EU
- Safety data sheet of raw material manufacturer
- Martindale: *The Extra Pharmacopoeia*, 13th edition
- Website: <https://chem.echa.europa.eu/>
- European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- Implementing Regulation of the EU Regulation on Personal Protective Equipment (Official Gazette RS, No. 33/18)
- List of harmonized standards for personal protective equipment (C 412 / 11.12.2015, with all amendments and updates)
- Occupational Safety and Health Act (Official Gazette RS No. 43/2011)
- Waste Regulation (Official Gazette RS, No. 77/22 and 113/23)
- Regulation on Packaging and Packaging Waste (Official Gazette RS, No. 54/21, 208/21, 44/22 – ZVO-2, and 120/22)
- European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- Decision on the publication of Annexes A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- Dangerous Goods Regulations (DGR) for air transport (IATA)
- International Maritime Dangerous Goods (IMDG) Code
- EU – Commission Directive 98/24/EU with all amendments and updates
- Regulation on the protection of workers from risks related to exposure to chemical substances at work (Official Gazette RS, No. 72/2021, 29/2024, 26/2025)
- Regulation on the protection of workers from risks related to exposure to carcinogenic, mutagenic, or reprotoxic substances at work (Official Gazette RS, No. 29/2024, 26/2025)

Disclaimer of expressed and implied warranties:

The information contained in the safety data sheet have been translated from the manufacturer, revised in accordance with the Slovenian legislation. Guidelines for the safe use, handling, disposal, storage and transportation and cannot be used as a guarantee. The information relates only to the specific product and is not suitable for combining with other materials or for use in another process as described in the instructions.