

Material Safety Data Sheet
According to 91/155 EC

Printing date 21.01.2000

Reviewed on 21.01.2000

1 Identification of the substance/preparation and of the company/undertaking

• Product details

• Trade name: Instant Adhesive

• Manufacturer/Supplier:
al dente Dentalprodukte GmbH
D-88074 Meckenbeuren
Telefon: +49-7542-40900

Telefax: +49-7542-409020

• Further information obtainable from: Abteilung Produktsicherheit
• Information in case of emergency: Giftnotruf München: +49-89-19 240

2 Composition/information on ingredients

• Chemical characterization

• Description:

Mixture of substances listed below with nonhazardous additions.

Dangerous components:

7085-85-0 ethyl 2-cyanoacrylate
Xi; R 36/37/38

>30 %

3 Hazards identification

• Hazard description: Xi Irritant

• Information concerning to particular hazards to man and environment:
R 36/37/38 Irritating to eyes, respiratory system and skin.
Cyanacrylate - DANGER! Glues skin and eyelids within seconds. Should be kept out of children's reach.

• Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First-aid measures

• General information:

Immediately remove any clothing soiled by the product.

• After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

• After skin contact:

After contact with skin, wash immediately with plenty of soap and water.

• After eye contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

• After swallowing:

Rinse out mouth and then drink plenty of water.

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

• Information for doctor:

• The following symptoms may occur: Breathing difficulty

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- Treatment
In cases of irritation to the lungs, initial treatment with Dexametason metered aerosol.

5 Fire-fighting measures

- Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards caused by the substance, its products of combustion or resulting gases:
Formation of toxic gases is possible during heating or in case of fire.
- Protective equipment:
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
- Additional information
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- Person-related safety precautions:
Ensure adequate ventilation
Avoid contact with the eyes and skin.
- Measures for environmental protection:
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
- Measures for cleaning/collecting:
Pick up mechanically.
Dispose of the material collected according to regulations.

7 Handling and storage

- Handling:
 - Information for safe handling:
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Keep receptacles tightly sealed.
 - Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
- Storage:
 - Requirements to be met by storerooms and receptacles:
Store only in the original receptacle.
 - Information about storage in one common storage facility: Not required.
 - Further information about storage conditions:
Keep receptacle tightly sealed.
Store in a cool and dry place.
Protect from heat and direct sunlight.
Store under lock and key and out of the reach of children.

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8 Exposure controls/personal protection

- Additional information about design of technical facilities:
No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:
7085-85-0 ethyl 2-cyanoacrylate

MAK (Germany): vgl. Abschn. II b

- Additional information:
The lists valid during the making were used as basis.
Ensure good ventilation/exhaustion at the workplace.
Relative humidity should be at least 50-60%.

- Personal protective equipment:
- General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
- Respiratory protection:
Use suitable respiratory protective device in case of insufficient ventilation.
- Protection of hands: Protective gloves
- Eye protection: Safety glasses

9 Physical and chemical properties

- Form: Fluid
- Colour: Colourless
- Odour: Irritant

	Value/Range	Unit	Method
• Change in condition			
• Melting point/Melting range:	Undetermined.		
• Boiling point/Boiling range:	> 190	° C	

- Flash point: 87 ° C
- Self-igniting: Product is not selfigniting.
- Danger of explosion:
Product does not present an explosion hazard.

• Density: at 20 ° C 1,06 g/cm³

• Solubility in / Miscibility with
• water: Hydrolized.

• Viscosity:
• Dynamic: at 20 ° C 80-110 mPas

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10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
Protect from heat and direct sunlight.
- Dangerous reactions
Exothermic polymerization.
Reacts with alcohols, amines, aqueous acids and alkalis.
- Dangerous decomposition products:
No dangerous products of decomposition if used and stored according to specifications.

11 Toxicological information

- Acute toxicity:
- Primary irritant effect:
 - on the skin: Irritant to skin and mucous membranes.
 - on the eye: Irritating effect.
- Sensitization:
Mecrilate is endangered to be sensitizing by inhalation, this cannot be excluded for ethyl 2-cyanoacrylate.
- Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant.
No experimentally found toxicological data are available for this preparation.

12 Ecological information

- General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- Product:
- Recommendation Disposal must be made according to official regulations.
- European waste catalogue
 - 08 00 00: Wastes from the manufacture, formulation, supply and use (MFSU) of coatings, (paints, varnishes and vitreous enamels), adhesive, sealants and printing inks
 - 08 04 00: wastes from MFSU of adhesives and sealants (including waterproofing products)
 - 08 04 06: adhesives and sealants sludges free of halogenated solvents
- Uncleaned packaging:
- Recommendation:
Disposal must be made according to official regulations.

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14 Transport information

- Transport/Additional information: Not subject to transport regulations.

15 Regulatory information

- Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- Code letter and hazard designation of product: Xi Irritant
- Risk phrases: 36/37/38 Irritating to eyes, respiratory system and skin.
- Safety phrases:
 - 2 Keep out of the reach of children.
 - 23 Do not breathe fumes.
 - 24/25 Avoid contact with skin and eyes.
 - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Special labelling of certain preparations:
Cyanacrylate - DANGER! Glues skin and eyelids within seconds. Should be kept out of children's reach.
- National regulations:
- Waterhazard class:
Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.