

Degufix

Material no.		Version	1.6 / GB
Specification	100376	Revision date	17.02.2009
VA-Nr		Print Date	09.06.2009
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name	:	Degufix
Company	:	DeguDent GmbH Postfach 1364 D-63403 Hanau
Telephone	:	+49 (0)6181/59-5767
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Emergency telephone number	:	+49 (0)180 / 23 24-555
Use of the Substance / Preparation	:	For dental use only.

2. HAZARDS IDENTIFICATION**Classification**

Xi, Irritant
R36/37/38: Irritating to eyes, respiratory system and skin.

Additional safety information for humans and the environment

"Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of reach of children."

3. COMPOSITION/INFORMATION ON INGREDIENTS**Information on ingredients / Hazardous components**

• ethyl 2-cyanoacrylate		90% - 100%	
CAS-No.	7085-85-0	EC-No.	230-391-5
	Xi; R36/37/38		

See chapter 16 for text of risk phrases

4. FIRST AID MEASURES**General advice**

Take off all contaminated clothing immediately.

Inhalation

Following inhalation of aerosols or mist:

Possible discomfort: severe irritation of mucous lining (nose, throat, eyes), cough, sneezing, flow of tears

Move victims into fresh air.

If symptoms persist, call a physician.

Skin contact

Remove product immediately with cellucotton (or similar material).

Wash off with soap and plenty of water.

If symptoms persist, call a physician.

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Eye contact

Keeping eyelid open, immediately rinse thoroughly for at least 5 minutes using plenty of water or, if necessary, eye rinsing solution.
Consult an ophthalmologist.

Ingestion

Rinse out mouth.
Consult a physician.

Notes to physician

If required, therapy of irritative effect.
If substance has been swallowed:
Early endoscopy in order to assess mucosa lesions in the oesophagus and stomach which may appear.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

carbon dioxide (CO₂), quenching powder, water spray

Extinguishing media which must not be used for safety reasons

high volume water jet

Specific hazards during fire fighting

May be released in case of fire: carbon monoxide, carbon dioxide, nitric oxides.

Further information

Standard procedure for chemical fires.

In the event of fire and/or explosion do not breathe fumes.

Ensure there are sufficient retaining facilities for water used to extinguish fire.

Water used to extinguish fire should not enter drainage systems, soil or stretches of water.

Contaminated fire-extinguishing water must be disposed of in accordance with the regulations issued by the appropriate local authorities.

Fire residues should be disposed of in accordance with the regulations.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Wear personal protective equipment.

Keep unauthorized persons away.

Environmental precautions

Observe regulations on prevention of water pollution (check, dam up, cover up).

Do not allow the product into the following compartments:

drainage systems

sewage water

Methods for cleaning up

Pick up mechanically with a suitable material and collect in a suitable container.

7. HANDLING AND STORAGE**Handling****Safe handling advice**

Handle and open container with care.

Always close container tightly after removal of product.

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Ensure there is good room ventilation.
 Ensure suitable suction/aeration at the work place and with operational machinery.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Storage**Requirements for storage areas and containers**

Store in the original receptacle, keeping this tightly sealed, under cool and dry conditions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters**

- ethyl 2-cyanoacrylate

CAS-No.	7085-85-0	EC-No.	230-391-5
Control parameters	0.3 ppm 1.5 mg/m ³		Short Term Exposure Limit (STEL):(EH40 WEL)

Personal protective equipment**Respiratory protection**

Ensure there is good room ventilation.
 Ensure suitable suction/aeration at the work place and with operational machinery.
 Humidity min. > 50 %

Hand protection

protective gloves
 Suitability for specific workplaces should be clarified with protective glove manufacturers.

Eye protection

Safety glasses with side-shields

Hygiene measures

Handle in accordance with good industrial hygiene and safety practices.
 No eating, drinking, smoking, or snuffing tobacco at work. Wash face and/or hands before break and end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	liquid
Colour	colourless
Odour	characteristic

Safety data

pH	not applicable
Boiling point/range	> 200 °C
Flash point	87 °C Method: DIN 51758
Autoinflammability	not spontaneously flammable
Density	1.05 - 1.08 g/cm ³ (20 °C)

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Method: DIN 51757

Viscosity, dynamic 2 - 1200 mPa.s (20 °C)

10. STABILITY AND REACTIVITY

Thermal decomposition	No decomposition if used as directed.
Hazardous reactions	Risk of decomposition when exposed to heat. Vigorous reaction on contact with alkalis oxidizing agents amines. Vigorous reaction with water.

11. TOXICOLOGICAL INFORMATION*No results of animal experiments with the product available.*

Skin irritation	irritant
Eye irritation	irritant
Sensitization	In the case of high or long-term exposure Allergic reactions are possible. e.g. May cause sensitization by inhalation. (literature)

12. ECOLOGICAL INFORMATION**Elimination information (persistence and degradability)****Behaviour in environmental compartments****Ecotoxicity effects***No ecotoxicological studies are available.***13. DISPOSAL CONSIDERATIONS****Product**

Disposal according to local authority regulations.

Uncleaned packaging

Disposal according to local authority regulations.

14. TRANSPORT INFORMATION**Transport/further information**

Not classified as dangerous in the meaning of transport regulations.

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15. REGULATORY INFORMATION**Labelling according to EC Directives****hazard-defining component(s)**

- ethyl 2-cyanoacrylate

Symbol(s)	Xi	Irritant
R-phrases(s)	R36/37/38	Irritating to eyes, respiratory system and skin.
S-phrases(s)	S23 S24/25 S26	Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Labelling of specific substances / preparations "Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of reach of children."

National legislation**16. OTHER INFORMATION****Risk phrase (R phrase) texts**

- ethyl 2-cyanoacrylate**
R36/37/38 Irritating to eyes, respiratory system and skin.

Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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