

Trade name: Adhesive gel
Safety data sheet in accordance with 91/155/EEC
 Date of printing : 24.04.2003

01. Identification

01.01 Product details	
01.01.01. Trade name	Adhesive gel
01.02. Identification of the manufacturer	
01.02.01. Address	ERKODENT Erich Kopp GmbH, Siemensstr. 3, D-72285 Pfalzgrafenweiler
01.02.02. Information provided by	Chemie
01.02.03. Telephone number	Tel.: (+49) (0) 7445 / 85 01 - 0, Fax: (+49) (0) 7445 / 20 92
01.02.04. Emergency telephone number :	

02. Composition/information on ingredients

02.01. Chemical characterization	Ethyl-2-cyanacrylat
02.02. Substance / product identification	
02.03. Hazardous ingredients	CAS-Nr.: 7065-85-0, EINECS : 230-391-5 Ethyl-2-cyanacrylat >=30% Xi; R 36/37/38
02.04. Additional information	-

03. Hazards possibilities

03.01. Hazard designation	Irritant
03.02. Particular information pertaining specific risk for human / environment	Cyanoacrylate! Danger! Sticks skin and eyelids in seconds. Keep out of reach of children., Irritating to eyes, respiratory system and skin.

04. First aid measures

04.01. General Information	If individual is drowsy or unconscious place in recovery position (on left side, with head down).
04.02. First aid measures / inhalation.	Ensure supply of fresh air., In the event of symptoms take medical treatment.
04.03. First aid measures / skin contact.	In case of contact with skin wash off immediately with soap and water.
04.04. First aid measures / eye contact.	In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water., Summon a doctor immediately.
04.05. First aid measures / ingestion..	When swallowed seek medical aid immediately and show the physician the packaging or the lable of the packaging., Rinse out mouth and give plenty of water to drink., Do not induce vomiting.
04.06. Advice to doctor	The following symptoms may occur:: Shortness of breath

05. Fire-fighting measures

05.01. Suitable extinguishing media	dry powder carbon dioxide. water spray jet
05.02. Extinguishing media that must not be used for safety reasons	-
05.03. Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases.	I case combustion evolution of dangerous gases possible.
05.04. Special protective equipment for firefighting	Do not inhale explosion and/or combustion gases., Use self-contained breathing apparatus.
05.05. Additional informations (chapter 5)	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

06. Accidental release measures

06.01. personal precautions.	Ensure adequate ventilation., Avoid contact with skin, eyes and clothing.
06.02. environmental precautions.	Do not allow to enter drains or waterways.
06.03. methods for cleaning up/taking up.	Pick up with absorbent material (eg sand,

	kieselgur, acid binder, universal binder, sawdust).
06.04. Additional informations (chapter 6).	-

07. Handling and storage

07.01. Handling	
07.01.01. Hints on safe handling.	Open and handle container with care., Ensure adequate ventilation., Observe the usual precautions for handling chemicals.
07.01.02. Hints for protection against fire and explosion.	Keep away from sources of ignition - refrain from smoking.
07.02. Storage	
07.02.01. Requirements for storage rooms and vessels.	
07.02.02. Hints on storage assembly.	Do not store with acids or alkalis.
07.02.03. Further information on storage conditions.	Keep container tightly closed, cool and dry., Protect from heat and direct sunlight., Protect from frost.
07.02.04. Storage category	-
07.02.05. Storage stability	Prevent drying-out
07.02.06. Recommended storage temperature	5,0 – 28,0 °C

08. Exposure controls/personal protection

08.01. Additional hints on technical system design.	See chapter 7; no measures exceeding the ones mentioned are necessary.
08.02. Ingredients with occupational exposure limits to be monitored	-
08.03. Personal protective equipment Personal protective equipment Persönliche Schutzausrüstung	
08.03.01. Respiratory protection	-
08.03.02. Hand protection	Chemical resistant gloves
08.03.03. Eye protection	tightly fitting safety glasses
08.03.04. Skin protection	light protective clothing
08.03.05. General protective and hygiene measures	Observe the usual precautions when handling chemicals.

09. Physical and chemical properties

09.01. Appearance.	
09.01.01. Form	Gel
09.01.02. Colour	colourless
09.01.03. Odour	pungent

09.02. Safety data	
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Changes in physical state

Boiling range	> 190	°C	
Flash point	87	°C	DIN 51758
Ignition temperature	n.a.	°C	
self ignition			
explosion limits	n.b.		
Upper explosion limit	n.b.		
Vapour pressure			
	n.b.		
Density			
	1,06	g/cm3	20 °C
solubility			
	n.b.	g/l	
Soluble in			
	Hydrolysed.	g/l	
pH-Value			

	n.b.		
Viscosity			
	20 – 40	mPas	25 °C

09.03. Other information (chapter 9.)	
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10. Stability and reactivity

10.01. Hazardous reactions	Reactions with acids, alkalies and oxidizing agents., Reacts strongly with water., Reactions with amines.,Ethanol
10.02. Hazardous decomposition products	No hazardous decomposition products known.
10.03. Thermal decomposition	-
10.04. Additional informations (chapter 10)	-

11. Toxicological information

11.01. Acute toxicity	
11.01.01. Acute oral toxicity	-
11.01.02. Acute dermal toxicity	-
11.01.03. Acute inhalational toxicity	-
11.02. Irritant/corrosive effects	
11.02.01. Irritant effect on skin	irritant
11.02.02. Irritant effect on eyes	irritant
11.03. Sensitization	Sensitisation possible through inhalation.
11.04. Effects after repeated or prolonged exposition (subacute, subchronic, cronic)	-
11.08. Other information (chapter 11.)	-
11.09. Experiences made in practice.	-
11.10. General remarks.	-

12. Ecological information

12.01. Data on elimination (persistence and degradability) :	
12.01.01. Physico-chemical eliminability	-
12.01.02. Biodegradability	-
12.02. Behaviour in environment compartments.	-
12.03. Ecotoxic effect	
12.03.01. Fish toxicity	-
12.03.02. Daphnia toxicity	-
12.03.03. Algae toxicity	-
12.03.04. Bacteria toxicity	-
12.04. Further ecological information	-

13. Disposal considerations

13.01. Disposal considerations	
13.01.01. Disposal / product	-
13.01.02. Disposal / contaminated packagings.	Completely emptied packagings can be given for recycling.
13.02. Waste code no. / name of waste (for Germany only)	080409 The stated Waste Code Number(s) according to the European Waste Catalogue (EAK) is (are) considered as a recommendation. A definite setting (establishment) should be carried out in co-ordination with the Regional Waste Disposal Authority.

14. Transport information

14.01. Land transport ADR/RID	
14.01.01. Class	-
14.01.02. Number/letter	-

14.01.03. Hazard number (Kemler-number)	-
14.01.04. UN number	n.a.
14.01.05. Technical name	-
14.01.06. Remarks	-

14.02. Inland waterways transport ADN/ADNR	
14.02.01. Class	-
14.02.02. Number/letter	-
14.02.03. Category	-
14.02.04. Technical name	-
14.02.05. Remarks	-

14.03. Marine transport IMDG/GGVSee	
14.03.01. Class	-
14.03.02. UN number	n.a.
14.03.03. page	-
14.03.04. EmS	-
14.03.05. MFAG	-
14.03.06. MARINE POLLUTANT	-
14.03.07. Correct technical name	-
14.03.08. Remarks	-

14.04. Air transport ICAO/IATA	
14.04.01. Class	-
14.04.02. UN number	n.a.
14.04.03. page	-
14.04.04. Correct technical name	-
14.04.05. Remarks	-

14.05. Other information (chapter 14.)	-
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15. Regulatory information

15.01. Labelling in accordance with GefStoffV/EC	
The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.	
	Cyanoacrylate! Danger! Sticks skin and eyelids in seconds. Keep out of reach of children.

15.01.02. Hazard symbols	Xi	Irritant
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15.02. Other regulations	
15.02.01. Restriction of occupation.	-
15.02.02. Decree for case of interference / remarks (for Germany only).	-
15.02.03. Classification according to VbF / remarks (for Germany only).	A III
15.02.04. TA-Luft (Ger.)	-
15.02.05. Water Hazard Class (Ger.)	1
15.02.06. Other regulations, restrictions and prohibition regulations (for Germany only)	

16. Other information (chapter 16.).

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(n.a. = Not applicable; n.b.= not determined)

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.