

Weicon GmbH

Revision date: 02.12.2009

Revision no.:

1,00

Contact Gel

7619-0083

1. Product and Company Identification

Commercial product name

Contact Gel

Further trade names

12500-1

Chemical characterization (Mixture)

One-component adhesive based on ethylcyanoacrylate

Company/undertaking identification

Manufacturer

Weicon GmbH

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2. Hazards Identification

Route(s) of Entry

Skin and eye contact, inhalation and ingestion.

Signs and Symptoms of Exposure

CAUTION !

Irritant to eyes, skin and respiratory system.

Bonds skin and eyes in seconds.

Sensitization through inhalation possible.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

3. Composition/Information on Ingredients

Hazardous components

CAS No.	Components	Quantity
7085-85-0	ethyl 2-cyanoacrylate	80 - 100 %

4. First Aid Measures

General information

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

In the event of symptoms refer for medical treatment.

After contact with skin

Wash off immediately with soap and plenty of water.

Consult a doctor if skin irritation persists.

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After contact with eyes

Rinse eyes immediately with large amounts of water for several minutes, especially under the eyelids.

Seek medical treatment by eye specialist.

After ingestion

Call a physician immediately.

Advice to physician

The following symptoms may occur: Shortness of breath

In the event of pulmonary irritation treat initially with dexamethasone metered-dose aerosol.

5. Fire Fighting Measures

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical, water-spray.

Special hazards arising from the chemical

Fire may produce:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Protective equipment and precautions for firefighters

Use breathing apparatus with independent air supply.

Additional information

Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental Release Measures

Personal precautions

Remove persons to safety.

Ensure adequate ventilation.

Keep away sources of ignition.

Environmental precautions

Clean contaminated surface thoroughly.

Do not discharge into the drains or bodies of water.

Methods for cleaning up/taking up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

Shovel into suitable container for disposal.

7. Handling and Storage

Handling

Advice on safe handling

Use only in thoroughly ventilated areas.

Avoid contact with skin, eyes and clothing.

Keep in closed original container.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

Do not store with alkalies.

8. Exposure Controls/Personal Protection

Exposure limit values

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Exposure limits

CAS No.	Components	ppm	mg/m ³	fib/cc	Category	Origin
7085-85-0	Ethyl cyanoacrylate	0.2	1.0		TWA (8 h)	TLV
		-	-		STEL (15 min)	TLV
		-	-		Peak	TLV

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Do not inhale gases/vapours/aerosols.

Avoid contact with eyes and skin.

Use barrier skin cream.

Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothes before re-use.

Keep separate from food and feed.

Respiratory protection

Use suitable breathing apparatus if there is inadequate ventilation.

Hand protection

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Butyl latex, 0,7 mm, 480 min., 60 min., i.e. protective glove made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

Safety goggles

Skin protection

Protective clothing

9. Physical and Chemical Properties**Appearance**

Form: Liquid
 Color: Opaque
 Odor: Characteristic

Important health, safety and environmental information

Test method

Changes in the physical state

Boiling point: >200 °C
 Flash point: > 61 °C DIN 51758
 Density (at 20 °C): 1.08-1,13 g/cm³
 Water solubility: More or less insoluble
 (at 20 °C)
 Viscosity / dynamic: thixotropic
 (at 20 °C)

10. Stability and Reactivity**Stability**

Stable



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Conditions to avoid

Keep away from heat and sources of ignition.

Polymerisation occurs when exposed to heat.

Materials to avoid

Reacts violently with water.

Reactions with oxidizing agents.

Reactions with alkalies.

Reactions with amines.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Nitrous oxides (NOx)

Possibility of Hazardous Reactions

May occur

Additional information

No decomposition if stored and applied as directed.

11. Toxicological Information

Corrosive and irritant effects

Skin irritation = Irritant

Eye irritation = Irritant

Irritates mucous membranes.

Sensitizing effects

Sensitization through inhalation possible.

12. Ecological Information

Further information

Do not discharge product unmonitored into the environment.

13. Disposal Considerations

Advice on disposal

Remove in accordance with local official regulations.

Where possible recycling is preferred to disposal.

If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packagings are to be treated like the product itself.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

14. Transport Information

US DOT 49 CFR 172.101

Proper shipping name

Not regulated.

Land transport (ADR/RID)

Description of the goods

No hazardous material as defined by the transport regulations.

Other applicable information

No hazardous material as defined by the transport regulations.

15. Regulatory Information

U.S. Regulations

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National Inventory TSCA

All of the components are listed on the TSCA inventory.

SARA

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

State Regulations

This product contains max VOC: 1,5 - 2%

16. Other Information

Hazardous Materials Information Label (HMIS)

Health: 1
Flammability: 0
Physical Hazard: 1

NFPA Hazard Ratings

Health: 1
Flammability: 0
Reactivity: 1
Unique Hazard:



Other data

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)