

Safety Data Sheet

(according to EC-directive)

Collano A 2110 Komponente A

1. Identification of the Substance/Preparation and the Company/Undertaking

Use of the Substance/Preparation

Composite adhesive

Chemical characterization

Polyether polyol/fillers

Supplier

Collano AG
Eichenstrasse 12
CH-6203 Sempach-Station
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F +41 41 469 91 12
www.collano.com

Emergency telephone number

Collano AG +41 41 469 94 34
Toxicological Information Center +41 44 251 51 51

Revision Date

03.03.2006

2. Composition/Information on Ingredients

Hazardous components

None.

3. Hazards Identification

None.

4. First Aid Measures

Skin contact

Wash off with soap and plenty of water.

Eye contact

Keep eye wide open while rinsing.

Ingestion

Obtain medical attention.

5. Fire-Fighting Measures

Suitable extinguishing media

Water spray, Carbon dioxide (CO₂), Dry chemical.

Specific hazards

None.

6. Accidental Release Measures

Personal precautions

No special measures required.

Environmental precautions

No special environmental precautions required.

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. Handling and Storage

Handling

No special handling advice required.

Storage

Do not freeze.

8. Exposure Controls / Personal Protection

Hand protection

Impervious gloves.

Eye protection

Safety glasses.

9. Physical and Chemical Properties

Form

Paste

Colour

Beige

Odour

Mild

Physical and chemical properties

Water solubility insoluble

Decomposition temperature > 200 °C

10. Stability and Reactivity

Stability

No decomposition if stored and applied as directed. Decomposition starting from 200 °C.

11. Toxicological Information

Acute toxicity

None.

Further information

Health injuries are not known or expected under normal use.

12. Ecological Information

Ecotoxicity

Ecological injuries are not known or expected under normal use.

13. Disposal Considerations

Waste from residues / unused products

Dispose of as special waste in compliance with local and national regulations.

Contaminated packaging

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

14. Transport Information

Further Information

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory Information

Regulatory Information

The product does not need to be labelled in accordance with EC directives or respective national laws.
Water contaminating class: slightly water contaminating

16. Other Information

End use

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.

Collano A 2110 Komponente B

1. Identification of the Substance/Preparation and the Company/Undertaking

Use of the Substance/Preparation

Isocyanate hardener

Chemical characterization

Isocyanates-Adhesive

Supplier

Collano AG
Eichenstrasse 12
CH-6203 Sempach-Station
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www.collano.com

Emergency telephone number

Collano AG +41 41 469 94 34
Toxicological Information Center +41 44 251 51 51

Revision Date

22.09.2005

2. Composition/Information on Ingredients

Hazardous components

>25 % diphenylmethane-4,4'-diisocyanate	CAS-Nr. 101-68-8	Xn	R20
	EINECS 202-966-0	Xi	R36/37/38-42/43

3. Hazards Identification

Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact.

4. First Aid Measures

Inhalation

Move to fresh air.

Skin contact

Wash off with soap and plenty of water.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Ingestion

Call a physician immediately.

5. Fire-Fighting Measures

Suitable extinguishing media

Dry powder, Carbon dioxide (CO₂), Foam, Water spray.

Special protective equipment for firefighters

In the event of fire, wear self contained breathing apparatus.

6. Accidental Release Measures

Personal precautions

Ensure adequate ventilation.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up

Use mechanical handling equipment.

7. Handling and Storage

Handling

Provide sufficient air exchange and/or exhaust in work rooms.

Storage

Keep containers dry and tightly closed to avoid moisture absorption and contamination.

8. Exposure Controls / Personal Protection

Exposure limit(s)

MAK-valeu (CH) 0.005 ppm (ml/m³) Isocyanates

Engineering measures to reduce exposure

Ensure adequate ventilation, especially in confined areas.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection

Impervious gloves.

Eye protection

Safety glasses with side-shields.

9. Physical and Chemical Properties

Form

Liquid

Colour

Dark brown

Odour

Musty

Physical and chemical properties

Relative density

approx. 1.2 g/ml

Viscosity

approx. 180-300mPa.s. (Sp2/100UpM)

Flash point

>200 °C

Autoignition temperature

>400 °C

Water solubility

insoluble, reacts

10. Stability and Reactivity

Stability

No decomposition if stored normally.

Conditions to avoid

Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

Materials to avoid

Amines.

Hazardous decomposition products

None reasonably foreseeable.

11. Toxicological Information

Acute toxicity

LD₅₀/oral/rat = >15000 mg/kg.

LC₅₀/inhalation/ 4 h/rat = 370 mg/m³.

Local effects

Contact with eyes or skin causes irritation. Harmful by inhalation. After prolonged skin contact tanning and irritating reactions may occur.

Sensitization

May cause sensitization by inhalation. For oversensitized persons allergic reactions may occur even at isocyanate concentrations below the MAK-value.

Further information

Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

12. Ecological Information**Ecotoxicity**

Ecological injuries are not known or expected under normal use.

13. Disposal Considerations**Waste from residues / unused products**

Dispose of as special waste in compliance with local and national regulations.

Contaminated packaging

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

14. Transport Information**Further Information**

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory Information**Regulatory Information**

The product is classified and labelled in accordance with EC directives or respective national laws.

Contains isocyanates. See information supplied by the manufacturer.

Water contaminating class: slightly water contaminating

Symbol(s)

Xn Harmful

R-phrases(s)

R20 Harmful by inhalation.
R36/37/38 Irritating to eyes, respiratory system and skin.
R42/43 May cause sensitization by inhalation and skin contact.

S-phrase(s)

S23 Do not breathe vapour/ spray.
S36/37 Wear suitable protective clothing and gloves.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. Other Information**Text of R phrases mentioned in Section 2**

R20: Harmful by inhalation.
R36/37/38: Irritating to eyes, respiratory system and skin.
R42/43: May cause sensitization by inhalation and skin contact.

End use

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