

## Safety Data Sheet

### Collano A 2120 Komponente A

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

**Use of the Substance/Preparation**

Composite adhesive

**Chemical characterization**

Polyether polyol in castor-oil

**Supplier**

Collano AG  
Eichenstrasse 12  
CH-6203 Sempach-Station  
T +41 41 469 91 11  
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 (CO<sub>2</sub>), 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

### Eye protection

Safety glasses.

## 9. Physical and Chemical Properties

### Form

Liquid

### Colour

Beige

### Odour

Very faint

### Physical and chemical properties

Density Relative

approx. 1.6 g/ml

Viscosity

approx. 6'000 mPa.s

Flash point

> 200 °C

Water solubility

insoluble

## 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**

**Disclaimer**

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 2120 Komponente B

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### 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  
T +41 41 469 91 11  
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

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 (CO<sub>2</sub>), 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/m<sup>3</sup>) 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

LD<sub>50</sub>/oral/rat = >15000 mg/kg.

LC<sub>50</sub>/inhalation/ 4 h/rat = 370 mg/m<sup>3</sup>.

**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-phrase(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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