

## Collano A8 4810 Component A

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

**Use of the Substance/Preparation**

High quality, elastic 2 compound adhesive

**Chemical characterization**

Silanized poly ether

**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**

08.08.2007

### 2. Composition/Information on Ingredients

**Hazardous components**

<5% 2.4.6 tris-2.4.6-dimethylaminomethyl phenol CAS-No. 90-72-2 EC-No. 202-013-9 Xn R22-36/38

### 3. Hazards Identification

None.

### 4. First Aid Measures

**Skin contact**

Wash off with soap and plenty of water.

**Eye contact**

Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

**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

### Engineering measures to reduce exposure

General industrial hygiene practice.

### Respiratory protection

In case of good ventilation no personal respiratory protective equipment required.

### Hand protection

Impervious gloves. Beachten Sie die Angaben des Handschuhherstellers zu Durchlässigkeit und Durchbruchzeit.

### Eye protection

Safety glasses with side-shields.

## 9. Physical and Chemical Properties

### Form

Strongly viscous

### Colour

Light beige

### Odour

Amine-like

### Physical and chemical properties

Relative density

approx. 1.3 g/ml

Viscosity

approx. 78 mPa.s. (Sp7/20UpM)

Viscosity

approx. 100 mPa.s. (Sp7/100UpM).

## 10. Stability and Reactivity

### Stability

No decomposition if stored and applied as directed.

## 11. Toxicological Information

### Acute toxicity

No data is available on the product itself.

### 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.

" Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction."

Water contaminating class: slightly water contaminating

#### **16. Other Information**

##### **Recommended use**

Restricted to professional users.

##### **Text of R phrases mentioned in Section 2**

R22: Harmful if swallowed.

R36/38: Irritating to eyes and skin.

##### **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 A8 4810 Component B

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

**Use of the Substance/Preparation**

Hardener, industrial adhesive

**Chemical characterization**

Epoxide resin, formulated

**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**

10.08.2007

### 2. Composition/Information on Ingredients

**Hazardous components**

<50 % Reaction producte: bisphenol-A-epichlorohydrine resins CAS-No. 25068-38-6 Xi R36/38-43  
N R51/53

### 3. Hazards Identification

Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 4. First Aid Measures

**Inhalation**

Move to fresh air. In the case of inhalation of aerosol/mist consult a physician if necessary.

**Skin contact**

Wash off with soap and plenty of water. If skin irritation persists, call a physician.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

**Ingestion**

Immediately give plenty of water (if possible charcoal slurry). Do not induce vomiting. Consult a physician for severe cases. If a person vomits when lying on his back, place him in the recovery position.

### 5. Fire-Fighting Measures

**Suitable extinguishing media**

Dry powder, Carbon dioxide (CO<sub>2</sub>), Foam, Water spray.

**Extinguishing media which must not be used for safety reasons**

High volume water jet.

**Specific hazards**

In the event of fire carbon oxides may be formed. During combustion is formed: irritant and toxic fumes.

**Special protective equipment for firefighters**

In the event of fire, wear self contained breathing apparatus. Complete suit protecting against chemicals.

**6. Accidental Release Measures****Environmental precautions**

Prevent product from entering drains. Do not contaminate surface water. Avoid subsoil penetration.

**Methods for cleaning up**

Use mechanical handling equipment. Soak up with inert absorbent material and dispose of as hazardous waste.

**7. Handling and Storage****Handling**

Handle in accordance with good industrial hygiene and safety practice. Provide sufficient air exchange and/or exhaust in work rooms. Handle and open container with care. Keep away from heat and sources of ignition.

**Storage**

Do not store together with food and animal feeding stuffs. Keep at temperatures between 10 and 40 °C. Keep container tightly closed.

**8. Exposure Controls / Personal Protection****Engineering measures to reduce exposure**

Avoid contact with skin, eyes and clothing. Do not smoke. Ensure adequate ventilation, especially in confined areas. General industrial hygiene practice.

**Respiratory protection**

In case of good ventilation no personal respiratory protective equipment required.

**Hand protection**

Rubber or plastic gloves.

**Eye protection**

Safety glasses with side-shields.

**Skin and body protection**

Lightweight protective clothing.

**9. Physical and Chemical Properties****Form**

Paste

**Colour**

Black

**Odour**

Characteristic

**Physical and chemical properties**

Relative density

approx. 1.35 g/ml

Viscosity

approx. 75mPa.s (20°C)

Viscosity

approx. 28mPa.s (20°C)

**10. Stability and Reactivity****Stability**

No decomposition if stored normally.

**Conditions to avoid**

Burning produces obnoxious and toxic fumes.

**Materials to avoid**

Strong acids and strong bases. Strong oxidizing agents.

**Hazardous decomposition products**

Carbon oxides.

## 11. Toxicological Information

### Acute toxicity

No data is available on the product itself.

LD<sub>50</sub>/oral/rat = >2000 mg/kg

### Local effects

Mild skin irritation.

### Sensitization

May cause sensitization of susceptible persons by skin contact.

## 12. Ecological Information

### Ecotoxicity

May cause long-term adverse effects in the aquatic environment. Do not disperse in the environment

## 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

### Proper shipping name

Environmentally hazardous substance, liquid, n.o.s. Bisphenol A-epoxi resins

### ADR/RID

UN No 3082.

Class 9.

Packing group III.

ADR/RID-Labels 9.

Kemler code 90.

Limited quantities LQ 28

### IMO

UN No 3082.

Class 9.

Packing group III.

Marine pollutant: --

### ICAO

UN No 3082.

Class 9.

Packing group III.

## 15. Regulatory Information

### Regulatory Information

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

Contains epoxy constituents. See information supplied by the manufacturer.

WGK: water contaminating

### Symbol(s)

Xi Irritant

N Dangerous for the environment

### R-phrases(s)

R36/38 Irritating to eyes and skin.

R43 May cause sensitization by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S-phrase(s)**

S24	Avoid contact with skin.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	After contact with skin, wash immediately with plenty of soap and water.
S37/39	Wear suitable gloves and eye/face protection.
S61	Avoid release to the environment. Refer to special instructions/Safety data sheets.

**16. Other Information****Recommended use**

Restricted to professional users.

**Text of R phrases mentioned in Section 2**

R36/38: Irritating to eyes and skin.

R43: May cause sensitization by skin contact.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**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.