

## Collano RS 8500 Komponente A

---

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

#### Use of the Substance/Preparation

High quality, elastic 2 component 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

31.05.2006

### 2. Composition/Information on Ingredients

#### Hazardous components

<5% 2.4.6 tris-2.4.6-dimethylaminomethyl phenol	CAS 90-72-2	Xn	R22-36/68
>1% N-(3-Trimethoxysilyl)propyl)ethylenediamine	CAS Nr. 1760-24-3	Xi	R36/38-43

### 3. Hazards Identification

May cause sensitization by skin contact.

### 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

Avoid contact with skin. General industrial hygiene practice. When using do not eat or drink.

### Respiratory protection

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

### Hand protection

Appropriate protection gloves resistant to chemicals (EN 374): polyvinylchloride  
Pay attention to the indications of the gloves producers on penetration and breakthrough time.

### Eye protection

Safety glasses with side-shields.

## 9. Physical and Chemical Properties

### Form

Strongly viscous, paste

### Colour

White

### Odour

Amine-like

### Physical and chemical properties

Relative density	approx. 1.1 g/ml
Viscosity	strongly viscous
Water solubility	insoluble

## 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. Do not flush into surface water or sanitary sewer system.

### 13. Disposal Considerations

#### Waste from residues / unused products

In accordance with local and national regulations. Should not be released into the environment. Do not let product enter drains.

#### 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.

Water contaminating class: slightly water contaminating

#### Symbol(s)

Xi                      Irritant

#### R-phrases(s)

R43                    May cause sensitization by skin contact.

#### S-phrases(s)

S24                    Avoid contact with skin.

S37                    Wear suitable gloves.

### 16. Other Information

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

R22: Harmful if swallowed.

R36/38: Irritating to eyes and skin.

R43: May cause sensitization by skin contact.

#### 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 RS 8500 Komponente B

---

### 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**

31.05.2006

### 2. Composition/Information on Ingredients

**Hazardous components**

>45 % Reaction producte: bisphenol-A-epichlorohydrine resins CAS-Nr. 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 Kohlenstoffoxide may be formed. acetic acid as the main compound

**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.

### Respiratory protection

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

### Hand protection

Impervious gloves. Nitrile rubber.

Pay attention to the indications of the gloves producers on penetration and breakthrough time.

### Eye protection

Safety glasses with side-shields.

### Skin and body protection

Lightweight protective clothing.

## 9. Physical and Chemical Properties

### Form

Paste, strongly viscous

### Colour

Dark grey

### Odour

Characteristic

### Physical and chemical properties

Relative density

approx. 1.1 g/ml

Viscosity

stable viscosity

## 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-epoxy resins

**UN-No**

3082

**ADR/RID**

Class 9.

Packing group III.

ADR/RID-Labels 9.

Kemler code 90.

Limited quantities LQ 7

**IMO**

Class 9.

Packing group III.

Marine pollutant: --

**ICAO**

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-phrases(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

### 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.