

Collano A8 6400 Komponente A

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
Industriegebiet Rank
CH-6203 Sempach-Station
Tel. +41 41 469 91 11
Fax +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

08.04.2004

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 (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

Respiratory protection

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

Hand protection

Impervious gloves.

Eye protection

Safety glasses with side-shields.

9. Physical and Chemical Properties

Form

Strongly viscous

Colour

Lysebeige

Odour

Amine-like

Physical and chemical properties

Relative density

approx. 1.1 g/ml

Viscosity

approx. 17'500mPa.s. (Sp5/20UpM)

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 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 A8 6400 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
Industriegebiet Rank
CH-6203 Sempach-Station
Tel. +41 41 469 91 11
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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

10.05.2004

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 (CO₂), 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.

Respiratory protection

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

Hand protection

Rubber or plastic gloves. Impervious gloves.

Eye protection

Safety glasses with side-shields.

Skin and body protection

Lightweight protective clothing.

9. Physical and Chemical Properties

Form

Paste

Colour

Colourless

Odour

Characteristic

Physical and chemical properties

Relative density

approx. 1.1 g/ml

Viscosity

approx. 8'200mPa.s. (Sp5/20UpM)

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.

LD₅₀/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**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.