

1 Identification of substance:

- **Product details:**
- **Trade name:** CB-G EG (Component A)
- **Application of the substance / the preparation** Construction chemicals
- **Manufacturer/Supplier:**
Hilti AG
Feldkircherstr. 100
Postfach 333
FL-9494 Schaan
Liechtenstein
Tel: 00423 / 234 2111
Fax: 00423 / 234 2965
gay.ybanez@hilti.com
- **Informing department:** see section 16
- **Emergency information:**
Hilti Aktiengesellschaft
Tel: 00423 / 234 2111
Fax: 00423 / 234 2965
Schweizerisches Toxikologisches Informationszentrum - 24 h Service
Tel.: 0041 / 1 251 51 51 (international)

2 Hazards identification

- **Hazard designation:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment**
R 36/38 Irritating to eyes and skin.
R 43 May cause sensitisation by skin contact.
R 68 Possible risk of irreversible effects.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Contains epoxy constituents. See information supplied by the manufacturer.
- **Classification system**
The classification is in line with the current EC lists. It has been expanded, however, by information from technical literature and by information furnished by the suppliers and by national regulations which have to be observed in Chapter 15.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:**

Mixture consisting of the following components.

- **Dangerous components:**

CAS: 25068-38-6 NLP: 500-033-5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700) ☒ Xi, ☒ N; R 36/38-43-51/53	16-18%
CAS: 2210-79-9 EINECS: 218-645-3	2,3-epoxypropyl o-tolyl ether ☒ Xn, ☒ Xi, ☒ N; R 38-43-68-51/53	6-7%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Take affected persons into the open air and position comfortably
- **After skin contact**
Instantly wash with water and soap and rinse thoroughly. If skin irritation persist, call a physician.
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- **After swallowing**
Drink copious amounts of water and provide fresh air. Instantly call for doctor.
Do not induce vomiting; immediately call for medical help.
A person vomiting while lying on their back should be turned onto their side.

5 Fire fighting measures

- **Suitable extinguishing agents** Water spray, carbon dioxide (CO2), carbon dioxide blanket, foam, or dry powder.
- **For safety reasons unsuitable extinguishing agents** none
- **Special hazards caused by the material, its products of combustion or resulting gases:**
The vapours released are irritating and injurious to health.

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· **Protective equipment:** In the event of fire, wear self contained breathing apparatus

6 Accidental release measures

· **Person-related safety precautions:**

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

Keep away from ignition sources

· **Measures for environmental protection:** Do not allow product to reach sewage system or water bodies.

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

7 Handling and storage

· **Handling**

· **Information for safe handling:**

Provide sufficient air exchange and/or exhaust in work rooms. When using, do not eat, drink or smoke. Ingestion, exposure to skin and eyes and inhalation of any general vapours should be avoided.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:** No special measures required.

· **Storage**

· **Requirements to be met by storerooms and containers:** Keep packaging securely closed and dry, store at 10 - 25 C.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Store in a locked cabinet and out of the reach of children.

Protect from frost.

Store under dry conditions.

Keep container tightly sealed.

8 Exposure controls and personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **Personal protective equipment**

· **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Not necessary if room is well-ventilated.

· **Protection of hands:** Protective gloves

· **Material of gloves:** Natural rubber, NR

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses

· **Body protection:** Protective work clothing.

9 Physical and chemical properties:

· **General Information**

Form:	pasty
Colour:	Light grey
Odour:	Mild

· **Change in condition**
Melting point/Melting range: Not determined

Boiling point/Boiling range: >200°C

· **Flash point:** >135°C (DIN 53213 e des Herstel)

· **Ignition temperature:**
Decomposition temperature: >200°C

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive.

· **Density at 20°C** 1,6-1,8 g/cm3 (DIN 51757 e des Herstel)

· **Solubility in / Miscibility with**
Water: Not miscible or difficult to mix

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- **Viscosity:**
dynamic at 20°C: <1000 mPas (DIN 53788 e des Herstel)

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Materials to be avoided:**
strong oxidizing agents
acids
- **Dangerous reactions** Reacts with strong acids
- **Dangerous products of decomposition:**
Irritant gases/vapours
Carbon monoxide and carbon dioxide

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
on the skin: Irritant to skin and mucous membranes.
on the eye: Irritant effect.
- **Sensitization:** Sensitization possible by skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful
- **Sensitisation** May cause sensitisation by skin contact.

12 Ecological information:

- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

13 Disposal considerations

- **Product:**
- **Recommendation** For disposal, local regulations issued by the authorities must be observed.

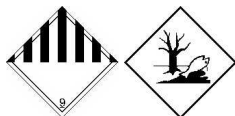
European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances

- **Uncleaned packagings:**
- **Recommendation:**
Disposal must be made according to official regulations.
Dispose of packaging according to regulations on the disposal of packagings.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID-GGVS/E Class:** 9 Miscellaneous dangerous substances and articles.
- **Kemler Number:** 90
- **UN-Number:** 3082
- **Packaging group:** III
- **Label** 9

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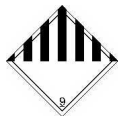
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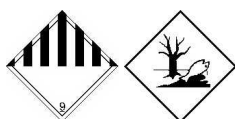
- **Special marking:** Symbol (fish and tree)
- **Designation of goods:** Environmentally hazardous substance, liquid, n.o.s., (contains epoxy resin)
3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product, 2,3-epoxypropyl o-tolyl ether)

· **Maritime transport IMDG:**



- **IMDG Class:** 9
- **UN Number:** 3082
- **Label:** 9
- **Packaging group:** III
- **EMS Number:** F-A,S-F
- **Marine pollutant:** No
- **Correct technical name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product, 2,3-epoxypropyl o-tolyl ether)

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 9
- **UN/ID Number:** 3082
- **Label:** 9
- **Special marking:** Symbol (fish and tree)
- **Packaging group:** III
- **Correct technical name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product, 2,3-epoxypropyl o-tolyl ether)

15 Regulatory information

- **Designation according to EC guidelines:**
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
- **Code letter and hazard designation of product:**



Xn Harmful

- **Hazard-determining components of labelling:**
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)
2,3-epoxypropyl o-tolyl ether
- **Risk phrases:**
36/38 Irritating to eyes and skin.
43 May cause sensitisation by skin contact.
68 Possible risk of irreversible effects.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**
2 Keep out of the reach of children.
28 After contact with skin, wash immediately with plenty of water.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- **Special designation of certain preparations:**
Contains epoxy constituents. See information supplied by the manufacturer.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**
36/38 Irritating to eyes and skin.
38 Irritating to skin.
43 May cause sensitisation by skin contact.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Trade name: CB-G EG (Component A)

68 Possible risk of irreversible effects.

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· **Department issuing data specification sheet:**

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Quality/Safety/Environment

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