

Trade name: KAGESOL EP-B950L
Component A

Product-no. 1950 L updated on 29.01.2005

Page 1/6

1. material-/preparation- and company name

name : KAGESOL EP-B950L (component A)
manufacturer : van Koetsveld & Grimberg GmbH, Röntgenstr. 7a, D-48599 Gronau
telephone : +49/2562-26334
information section : coating, +49/2562-4700

2. composition/information about components

chemical characteristics: formulated epoxy resin

components	CAS-No.	hazard symbols	R-phrases	part
bisphenol-A-epi- chlorhydrine resin with an average molecularweight < 700	25068-38-6	Xi, N	-R36/38-R43-R51/53-	50 - 75 %
bisphenol-F-epoxyresin	9003-36-5	Xi, N	-R36/38 -R43- -R51/53-	12 - 20 %
C12 - C14 aliphatic glycidylether	68609-97-2	Xi, N	-R36/38-R43-R51/53-	< 5 %

3. possible hazards

Skin and eye irritant.
Skin contact can cause sensitization.
Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. first -aid steps

eye contact : Immediately flush eyes with running water for at least 15 minutes. Consult eye doctor.

skin contact : Quickly remove contaminated clothing.. Rinse affected skin with mild cleaning solution in much water. If skin irritation persists or becomes infected consult a physician.

inhalation : Remove victim into fresh air. If feeling sick consult a physician.

swallowing : Do not induce vomiting. Give water in small amounts to drink (diluting effect). Immediately consult a physician.

Trade name: KAGESOL EP-B950L
Component A

Product-no. 1950 L updated on 29.01.2005

Page 2/6

5. steps for fire fighting

special danger : In case of fire carbonmonoxide and other gases or steams which are hazardous to human health can be given off in addition to carbondioxide and water. In particular beware of development of nitrous gases.

protective gear : Use respiratory equipment with independent air supply.

right fire extinguishers : Water mist / low pressure stream, dry chemical fire extinguisher (BC-powder), foam, carbondioxide

wrong fire extinguishers : High pressure jet.

6. steps by unintentional release

personal precautions : Avoid skin and eye contact. Insure proper ventilation. Wear protective clothing.

environmental safety precautions : Do not drain into water, sewersystem or soil.

cleaning methods : Large amounts:
Treat the leaking product with drysweep material to control spreading and pump it up.
Small amounts:
Spread drysweep material (sand etc.) over leaking product and dispose off properly.

additional instructions : For disposal see section 13.

7. handling and storage

advices for safe handling : Use only in well ventilated areas.

advices for protection against fire and explosion : No special methods required.

storage : Store in closed original container between 10 – 20°C . Store in dry well ventilated room away from easy inflammable materials and acids.

8. exposition limit and personal protective gear

danger level of components in relation to work area (Germany):

none

Trade name: KAGESOL EP-B950L
Component A

Product-no. 1950 L updated on 29.01.2005

Page 3/6

personal protective gear

respiratory equipment : Usually not necessary. Combination filter A/ P2 if used for spray / mist application.

eye protection : Close fitting goggles.

hand protection : Long sleeved butyl rubber or nitril protective gloves.

body protection : To prevent body contact wear rubber or plastic apron / appropriate arm protection.

hygiene rules : Quickly remove contaminated clothing. Use skin protection cream before work. Wash hands after work day ends and before breaks. Never eat, drink or smoke while working.

9. physical and chemical properties

state of aggregation : liquid
colour : coloured
smell : weak distinct smell

facts relevant to security

boiling temperature : > 200°C at 1013 hpa

flash point : 130°C (DIN 51758)

thermal decomposition : > 200°C

vapor pressure : < 0,001 hPa at 20°C

density : 1.13 g/cm³ at 20°C (DIN 51757)

solubility in water : insoluble at 20°C

viscosity : 800 - 1100 mPas at 25°C

10. stability and reactivity

dangerous reactions : Can react with amines and mercaptans by developing large quantities of heat. Strong reaction with acids.

dangerous decomposition products : None, if stored and handled properly.

Trade name: KAGESOL EP-B950L
Component A

Product-no. 1950 L updated on 29.01.2005

Page 4/6

11. information about toxicology

acute toxicity (lethal doses)

LD₅₀ oral, rat:
dose : approx. 10ml/kg

general information about acute or other toxicity

irritation effect on skin/eyes Low molecular epoxy resins and glycidylether are proven skin irritant in animal tests.

sensitization : Low molecular epoxy resins and glycidylether are proven sensitizing agents in animal tests.

practical experiences: Low molecular epoxy resins have been proven to cause eye and skin irritation Allergic skin reactions were also observed.

12. information about the ecology

methods of disposal:

biological degradability: estimation: not easy bio-degradable

ecological toxicity:

acute fish toxicity LD₅₀:
dose : 1..10mg/l/96h

acute daphnae toxicity
EC₅₀:
dose : 1..10mg/l/48h

further information about ecology:

Liquid epoxy resins based on bisphenol A and bisphenol F, as well as many reactive thinners are considered environmentally unsafe by the Association of Plastic Manufacturers in Europe (APME).Data for classification were in the range of the above.

13. notice about disposal

product : Burn under observation of the official laws in special refuse incinerating plant.

code of disposal : 080102 old paints and varnishes containing no chlorinated solvents

packing material : Reusable after cleaning. Dispose cleaning solvent like product.

Trade name: KAGESOL EP-B950L
Component A

Product-no. 1950 L updated on 29.01.2005

Page 5/6

14. information about transportation

UN3082 Environmentally hazardous substance, liquid, n.o.s. (epoxy resin)

Landtransport ADR/RID/GGVSE

classification : 9
packing group : III
packing /tank instructions : P001, IBC03, LP01, R001, T4, LGBV

Seatransport

IMDG/GGVSee

Not a hazardous substance according to national and international transportation regulations.

Airtransport ICAO/IATA

Classification : 9
Packing group : III
Packing instruction : 914

15. regulations

characterize according to EG regulations and its adjustments and changes.

hazard symbols : (Xi) irritant, (N) environmentally dangerous

R-phrases : R36/38 Irritating to eyes and skin.
R43 May cause sensitization by skin contact.
R51/53 Toxic to aquatic organisms. May have long-term adverse effects in the aquatic environment.

S-phrases :
S28 After contact with skin, wash immediately with plenty of water and soap.
S37/39 Wear suitable gloves and eye/face protection.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

dangerous components : bisphenol-A-epichlorhydrine resin with an average molecular weight < 700
bisphenol-F-epoxyresin

national regulations (Germany):

waterpollutant class : (2) water pollutant (self judgement)

VbF: no classification

Trade name: KAGESOL EP-B950L
Component A

Product-no. 1950 L updated on 29.01.2005

Page 6/6

16. further instructions

In general we recommend you to pay attention to the following data sheets for secure handling of epoxy resin and -hardener.

Data sheet M 004: Irritant/caustics materials

Data sheet M 023: Manufacture of polyester- and epoxy resins.

(published by the occupation association of the chemical industry)

These instructions are based on up to date knowledge and experience. The security data sheet describes the safety requirements for products. Manufacturer claims no responsibility for variances in data. No legal obligation can be deducted from the above mentioned properties.