

## safety data sheet according to 91/155/EEC

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**1. Product and firm name****AKEPOX® 5010****(Component A) Art. No. 10685**

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**2. Composition/details about the constituents**

Adhesive component on the basis of a modified epoxy resin

hazardous components:

<u>index no.</u>	<u>EEC no.</u>	<u>CAS no.</u>	<u>name</u>	<u>hazard symbol</u>	<u>content</u>	<u>hazard notes</u>
		25068-38-6	bisphenol $\alpha$ -epichloro- hydrin resins, MW < 700	Xi	_ 30 %	36/38-43

**3. Potential hazards**

Irritates the eyes and the skin. Sensitisation due to contact with the skin is possible.

The residual content of epichlorohydrin corresponds with the recommendations of the APME:

modified epoxy resins \_ 20 ppm (0.002 %)

**4. First-aid measures**In the event of contact with the eyes:

Rinse thoroughly with water, see an optician.

In the event of contact with the skin:

Can be removed without danger to the health with polyethylene glycol 400. Wash thoroughly with soap and water afterwards.

In the event of inhalation of vapours:

Provide for fresh air/ventilation, see a doctor if necessary. By loss of consciousness the patient is to be securely bedded and transported on the side.

In the event of swallowing:

Rinse out the mouth and drink a large amount of water; do not induce vomiting and consult a doctor immediately.

**5. Fire-fighting measures**Suitable extinguishing agents: CO<sub>2</sub>, fire-extinguishing powder or water spray. Larger fires are to be fought with a water spray or alcohol-resistant foam.Unsuitable measures: solid water stream.Special protective equipment: Wear a protective suit and a respirator which is independent from the surrounding air.Further notices: Contaminated water from fire-fighting is to be collected separately and not allowed to gain access into the sewerage.

**AKEPOX® 5010****(Component A)****Art. No. 10685****6. Measures if the product is unintentionally set free**

Prevent access into waste water, sewers, rivers, lakes and the soil. Take care to provide for sufficient ventilation. Keep non-essential people away.  
 Remove mechanically. The remainder is to be absorbed with a chemical binding agent or dry sand and stored in closed containers.  
 Refer also to the disposal measures.

**7. Handling and storage**

Keep the container dry and firmly sealed in a cool and well ventilated place.  
 Storage class: 10 (combustible liquids; VCI concept)

**8. Exposure limits and personal protective measures**

If occasional handling of the product with the hands cannot be avoided protective gloves (made of PVC or rubber) or suitable protective creams are to be used. People who tend towards skin diseases or other abnormal skin reactions should not come into contact with the product.  
 Otherwise, closely fitting goggles and a protective suit are recommended.  
 Keep away from food, beverages and animal feed. Wash the hands and use protective dermal creams before work breaks and after work. Work clothes should be kept separately. Soiled or soaked clothes should be changed.

**9. Physical and chemical properties**

consistency	: gel-like
colour	: colourless, milky
odour	: faint
density	: ca. 1.17 g/cm <sup>3</sup> (at 20° C)
vapour pressure	: _ 0.1 hPa (at 20° C)
viscosity	: a value cannot be given because pseudoplastic with flow limit
solubility in water	: insoluble
boiling point	: _ 200° C
ignition point	: _ 300° C
decomposition temperature	: _ 200° C

**10. Stability and reactivity**

hazardous decomposition products:	None, if correctly stored and handled; in the event of fire, irritant gases/vapours may be set free.
hazardous reactions:	Contact with bases and a large number of classes of organic substances such as alcohol and amines can result in violent reactions.

**11. Toxicological notices**

acute toxicity: LD/LC<sub>50</sub>, rat with bisphenol  $\alpha$ -epichlorohydrin resin MW < 700  
 oral : \_ 10000 mg/kg  
 dermal : \_ 2000 mg/kg

**AKEPOX® 5010****(Component A)****Art. No. 10685****12. Ecological notices**

Prevent access into waste water, sewers, rivers, lakes and the soil.

toxicity in water of bisphenol  $\alpha$ -epichlorohydrin resins MW < 700

rainbow trout  $LC_{50}/96h = 1.5 - 7.7 \text{ mg/l}$

daphnia magna  $EC_{50}/24h = 1.1 - 3.6 \text{ mg/l}$

water hazard class: 2      water pollutant (own classification)

**13. Disposal measures**

Local official regulations are to be complied with. To be disposed of as hazardous waste or at the official collecting centres for problematic refuse. Refuse code no. 55 903.

Contaminated containers are to be emptied fully. After appropriate cleaning they can then be recycled. Emptied, but uncleaned containers which contain residual substances which have to be specially marked in accordance with the hazardous substance regulations or EC directives, do not fall under the packaging regulations: They are considered as hazardous waste.

**14. Information with regard to transportation**

Is not a dangerous freight in terms of national and international transportation regulations.

**15. Regulations**

Markings in accordance with the EC regulations (compound substances):

hazard symbol : Xi 'irritant'

contains : bisphenol  $\alpha$ -epichlorohydrin resins MW  $\leq$  700

R36/38 : irritates the eyes and the skin

R43 : sensitisation due to contact with the skin is possible

S2 : to be kept away from children

S26 : in the event of contact with the eyes, rinse thoroughly with water and consult a doctor

S28 : in the event of contact with the skin, wash immediately with much soap and water

S37/39 : wear suitable protective gloves and goggles/face protection when working

fire regulations : according to § 2.4 not applicable

Pay attention to the leaflets M023 'Polyester and epoxy resins' issued by the BG Chemie.

**16. Additional notices**

These specifications accord with the latest status of our knowledge. They are, however, no guarantee for the product's properties. Our products are only described from the aspect of the safety requirements.