

1 Identification of substance

- Product details
- Trade name: **Akepox 2030 Component A**
- Article number: 10601, 10602, 10612, 10613, 10563, 10603, 10604, 10564, 10600, 10565, 10605, 10566, 10614
- Application of the substance / the preparation Epoxy resin adhesive
- Manufacturer/Supplier: AKEMI Erich Höntsch GmbH
Lechstrasse 28
D 90451 Nürnberg
Tel. +49(0)911-642960
Fax. +49(0)911-644456
e-mail info@akemi.de
- Information department: Laboratory

2 Composition/Data on components

- Chemical characterization
- Description: Mixture of the substances listed below with nonhazardous additions.
- Dangerous components:

CAS: 25068-38-6	reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average 25-50% molecular weight \leq 700)	
NLP: 500-033-5		
EU Number: 603-074-00-8		
CAS: 9003-36-5	reaction product: bisphenol F-(epichlorhydrin); epoxy resin (number average 10-25% molecular weight \leq 700)	
CAS: 16096-31-4	1.6-hexanediol diglycidyl ether	10-25%
- Additional information: For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- Hazard description: Irritant
Dangerous for the environment
- Information pertaining to particular dangers for man and environment: The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
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
Contains epoxy constituents. See information supplied by the manufacturer.
- Classification system: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- NFPA ratings (scale 0 - 4) Health = 2
Fire = 0
Reactivity = 0
- HMS-ratings (scale 0 - 4) Health = 2
Fire = 0
Reactivity = 0

4 First aid measures

- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Clean with water and soap. If possible, also wash with polyethylene glycol 400.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Rinse out mouth and then drink plenty of water.
Immediately call a doctor.

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 07/07/2003

Reviewed on 07/07/2003

Trade name: **Akepox 2030 Component A**

(Contd. of page 1)

5 Fire fighting measures

- Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards caused by the material, its products of combustion or resulting gases: Formation of toxic gases is possible during heating or in case of fire.
- Protective equipment: Wear fully protective suit.
Wear self-contained respiratory protective device.
- Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
- Measures for environmental protection: Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to penetrate the ground/soil.
Do not allow to enter sewers/ surface or ground water.
- Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Additional information: See Section 13 for disposal information.

7 Handling and storage

- Handling:
- Information for safe handling: Ensure good ventilation/exhaustion at the workplace.
- Information about protection against explosions and fires: No special measures required.
- Storage:
- Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

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 creation were used as basis.
- Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- Breathing equipment: Not necessary if room is well-ventilated.
- Protection of hands: Protective gloves

(Contd. on page 3)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 07/07/2003

Reviewed on 07/07/2003

Trade name: **Akepox 2030 Component A**

(Contd. of page 2)

- Material of gloves Plastic gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- Penetration time of glove material The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Tightly sealed goggles
- Body protection: Protective work clothing

9 Physical and chemical properties

· General Information

- Form: Pasty
- Color: Different according to coloring
- Odor: Weak, characteristic
- Change in condition
- Melting point/Melting range: Undetermined.
- Boiling point/Boiling range: Undetermined.
- Flash point: > 150 °C°C (> 302 °C°F)
- Ignition temperature: > 300 °C°C (> 572 °C°F)
- Decomposition temperature: > 200 °C°C (> 392 °C°F)
- Auto igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Vapor pressure at 20°C (68°F): < 0.1 hPa (< 0 mm Hg)
- Density at 20°C (68°F): ~ 1.5 g/cm³
- Solubility in / Miscibility with Water: Not miscible or difficult to mix.

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Dangerous reactions May produce violent reactions with bases and numerous organic substances including alcohols and amines.
- Dangerous products of decomposition: Irritant gases/vapors

11 Toxicological information

- Acute toxicity:
- Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- Sensitization: Sensitization possible through skin contact.
- Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

12 Ecological information

- Ecotoxicical effects:
- Remark: Toxic for fish
- General notes: Also poisonous for fish and plankton in water bodies.

(Contd. on page 4)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 07/07/2003

Reviewed on 07/07/2003

Trade name: **Akepox 2030 Component A**

(Contd. of page 3)

Toxic for aquatic organisms
 Water hazard class 2 (Self-assessment): hazardous for water
 Do not allow product to reach ground water, water course or sewage system.
 Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

- Product:
- Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations. Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

14 Transport information

- DOT regulations:
- Hazard class: 9
- Identification number: UN3082
- Packing group: III
- Proper shipping name (technical name): Environmentally hazardous substance, liquid, n.o.s., contains reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number averagemolecular weight ≤ 700), reaction product: bisphenol F-(epichlorhydrin); epoxy resin (number averagemolecular weight ≤ 700)
- Label 9
- Land transport ADR/RID (cross-border):
- ADR/RID class: 9 (M6) Miscellaneous dangerous substances and articles
- Danger code (Kemler): 90
- UN-Number: 3082
- Packaging group: III
- Description of goods: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700), reaction product: bisphenol F-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700))
- Maritime transport IMDG:
- IMDG Class: 9
- UN Number: 3082
- Label 9
- Packaging group: III
- Marine pollutant: Yes
- Propper shipping name: Environmentally hazardous substance, liquid, n.o.s., contains reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number averagemolecular weight ≤ 700), reaction product: bisphenol F-(epichlorhydrin); epoxy resin (number averagemolecular weight ≤ 700)
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: 9
- UN/ID Number: 3082
- Label 9
- Packaging group: III
- Propper shipping name: Environmentally hazardous substance, liquid, n.o.s., contains reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number averagemolecular weight ≤ 700), reaction product: bisphenol F-(epichlorhydrin); epoxy resin (number averagemolecular weight ≤ 700)

(Contd. on page 5)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 07/07/2003

Reviewed on 07/07/2003

Trade name: **Akepox 2030 Component A**

(Contd. of page 5)

- National regulations:
- Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Contact: Dieter Zimmermann

USA