

Printing date 12/15/2005

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* **1 Identification of substance**

- Product details
- Trade name: **Akepox 3000 Component B**
- Article number: 10638, 10561, 10562, 0
- Application of the substance / the preparation Epoxy resin adhesive
- Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH Tel. +49(0)911-642960
Lechstrasse 28 Fax. +49(0)911-644456
D 90451 Nürnberg 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: 90-72-2 | 2,4,6-tris(dimethylaminomethyl)phenol | 1-5% |
| EINECS: 202-013-9 | Xn; R 22-36/38 | |
| EU Number: 603-069-00-0 | | |
- Additional information: For the wording of the listed risk phrases refer to section 16.

* **3 Hazards identification**

- Hazard description: Not applicable.
- Information pertaining to particular dangers for man and environment: The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- 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 = 0
Fire = 0
Reactivity = 0
- HMIS-ratings (scale 0 - 4) Health = 0
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.
- After swallowing: Rinse out mouth and then drink plenty of water.
Immediately call a doctor.

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.

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- 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: Do not allow to enter sewers/ surface or ground water.
- Measures for cleaning/collecting: Pick up mechanically.
- 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
- 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
Structurally viscous

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<u>Color:</u>	Colorless Opaque Specific type
<u>Odor:</u>	
· <u>Change in condition</u>	
<u>Melting point/Melting range:</u>	Undetermined.
<u>Boiling point/Boiling range:</u>	Undetermined.
· <u>Flash point:</u>	> 150°C (> 302°F)
· <u>Ignition temperature:</u>	> 250°C (> 482°F)
· <u>Auto igniting:</u>	Product is not selfigniting.
· <u>Danger of explosion:</u>	Product does not present an explosion hazard.
· <u>Density at 20°C (68°F):</u>	~ 1.16 g/cm ³
· <u>Solubility in / Miscibility with</u> <u>Water:</u>	Soluble.

10 Stability and reactivity

· <u>Thermal decomposition / conditions to be avoided:</u>	No decomposition if used according to specifications.
· <u>Dangerous reactions</u>	Reacts with acids.
· <u>Dangerous products of decomposition:</u>	Irritant gases/vapors

11 Toxicological information

· <u>Acute toxicity:</u>	
· <u>Primary irritant effect:</u>	
· <u>on the skin:</u>	No irritant effect.
· <u>on the eye:</u>	No irritating effect.
· <u>Sensitization:</u>	No sensitizing effects known.
· <u>Additional toxicological information:</u>	The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

· <u>General notes:</u>	Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Water hazard class 1 (Self-assessment): slightly hazardous for water
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13 Disposal considerations

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

14 Transport information

· <u>DOT regulations:</u>	
· <u>Hazard class:</u>	-

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- Land transport ADR/RID (cross-border):
- ADR/RID class: -
- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -
- Transport/Additional information: Not dangerous according to the above specifications.

* 15 Regulations

- Sara
- Section 355 (extremely hazardous substances):
None of the ingredient is listed.
- Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.
- TSCA (Toxic Substances Control Act):
All ingredients are listed.
- Proposition 65
- Chemicals known to cause cancer:
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.
- Chemicals known to cause developmental toxicity:
None of the ingredients is listed.
- Cancerogenity categories
- EPA (Environmental Protection Agency)
None of the ingredients is listed.
- IARC (International Agency for Research on Cancer)
7631-86-9 silicon dioxide, chemically prepared: 3
- NTP (National Toxicology Program)
None of the ingredients is listed.
- TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.
- MAK (German Maximum Workplace Concentration)
None of the ingredients is listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.
- OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.
- Product related hazard informations: Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations according to directives on hazardous materials.
- Safety phrases: Keep out of the reach of children.
Do not breathe fumes
Avoid contact with skin and eyes.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
If swallowed, seek medical advice immediately and show this container or label.

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- National regulations:
- Water hazard class: Water hazard class 1 (Self-assessment): slightly 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.

- Department issuing MSDS: Laboratory
- Contact: Dieter Zimmermann
- * Data compared to the previous version altered.

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