Safety data sheet according to 1907/2006/EC, Article 31

AKEMI®

Printing date 21.01.2019 Version number 5 Revision: 21.01.2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier

· Trade name: Akepox 2040 Component A

- Article number: 10611, 10606, 10622, 11651, 11652

• 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

- Application of the substance / the

mixture Epoxy resin adhesive

· 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH

Lechstrasse 28 D 90451 Nürnberg Tel. +49(0)911-642960 Fax. +49(0)911-644456 e-mail info@akemi.de

Further information obtainable

from:

Laboratory

· 1.4 Emergency telephone

number:

Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH

Tel. +49(0)911-64296-59

Reachable during the following office hours: Monday – Thursday from 07:30 a.m. to 16:30 p.m.

Friday from 07:30 a.m. to 13:30 p.m.

+44 (171) 635 91 91

National Poison Inform. Centre

Medical Toxicology Unit Avalonley Road London SE14 5ER

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

· 2.2 Label elements

· Labelling according to Regulation

(EC) No 1272/2008
- Hazard pictograms

The product is classified and labelled according to the CLP regulation.





GHS07 GHS09

Signal word Warning

Hazard-determining components

of labelling:

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average

molecular weight = 700)

phenol, polymer with formaldehyde, glycidyl ether

1.6-hexanediol diglycidyl ether

N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)

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Hazard statements
 H315 Causes skin irritation.

H319 Causes serious eve irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

• Precautionary statements P101 If medical advice is needed, have product container or label

at hand.

P102 Keep out of reach of children.
P103 Read label before use.
P261 Avoid breathing vapours.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face

protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/

regional/national/international regulations.

· Additional information: Contains epoxy constituents. May produce an allergic reaction.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

PBT: Not applicable.√PvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

 Dangerous components: 		
CAS: 25068-38-6 NLP: 500-033-5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)	12.5-25%
Index number: 603-074-00-8 Reg.nr.: 01-2119456619-26-0000	Aquatic Chronic 2, H411 Skin Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 28064-14-4 EC number: 608-164-0 Reg.nr.: 01-2119454392-40-xxxx	phenol, polymer with formaldehyde, glycidyl ether Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Skin Sens. 1, H317	<12.5%
CAS: 16096-31-4 EINECS: 240-260-4 Reg.nr.: 01-2119463471-41	1.6-hexanediol diglycidyl ether Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Aquatic Chronic 3, H412	<10%
CAS: 123-26-2 EINECS: 204-613-6 Reg.nr.: 01-2120783565-42-xxxx	N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) Skin Sens. 1B, H317 Aquatic Chronic 3, H412	<1%
Additional informations	For the wording of the listed beyond phrases refer to coation 16	

· Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

• General information: Take affected persons out into the fresh air.

Position and transport stably in side position.

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: If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

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· 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.

• 4.2 Most important symptoms and effects, both acute and

delayed

· Hazards

Breathing difficulty

Headache Dizziness Nausea

Allergic reactions

· Information for doctor: Bisphenol-A based resins: Inhalation, swallowing or dermal incorporation may

cause health damage. Irritates respiratory tract, digestion system, eyes and skin: e.g., cough, dyspnea, lacrimation, burning. May cause health interferences such as dermal changes, renal, hepatic damage, and blood count changes. May provoke skin allergies. Sensitized users can react towards very low concentrations of Bisphenol-A-Epichlorhydrine and should avoid any further

contact with this chemical.

The sensitizing effect of epoxide based resins is mainly caused by the concentration of epoxy resin polymers with a specific molecular weight \leq 300. The observed allergic dermal and respiratory appearances should be treated symptomatically in dependence of the severity. An epoxy resin based allergic disease belongs to a cell mediated (interaction of lymphocytes) type IV allergy.

Danger of impaired breathing.

Skin contact with polyester and epoxy resin solutions as ingredient of the product should be avoided due to risks of skin irritations or allergic skin appearances. If occasional hand contact can not be avoided, protection gloves, proper protection ointments and protective agents generating a protective layer

on the skin were applied.

• 4.3 Indication of any immediate medical attention and special

<u>treatment needed</u> If swallowed, gastric irrigation with added, activated carbon.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

• <u>Suitable extinguishing agents:</u> CO2, powder or water spray. Fight larger fires with water spray or alcohol

resistant foam.

· 5.2 Special hazards arising from

the substance or mixture Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Carbon monoxide (CO)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

· 5.3 Advice for firefighters

Protective equipment: Wear fully protective suit.

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

• <u>Additional information</u> 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.

SECTION 6: Accidental release measures

 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Use respiratory protective device against the effects of fumes/dust/aerosol.

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· 6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage

system.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for

containment and cleaning up: Dispose of the material collected according to regulations.

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

binders, sawdust).

Ensure adequate ventilation.

 \cdot 6.4 Reference to other sections See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe

handling Keep receptacles tightly sealed.

Store in cool, dry place in tightly closed receptacles.

Use only in well ventilated areas.

Ensure good ventilation/exhaustion at the workplace.

· Information about fire - and

explosion protection: No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by

storerooms and receptacles: Store only in the original receptacle.

Prevent any seepage into the ground.

· Information about storage in one

common storage facility:

Store away from reducing agents.

Store away from foodstuffs.

· Further information about storage

conditions:

Store receptacle in a well ventilated area.

Keep container tightly sealed.

• 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about

<u>design of technical facilities:</u> No further data; see item 7.

· 8.1 Control parameters

Ingredients 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.

· DNELs

25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

= 700)	
DNEL (Kurzzeit-akut)	0.75 mg/kg bw/day (BEV)
DNEL (Langzeit-wiederholt)	0.75 mg/kg bw/day (BEV)
DNEL (Kurzzeit-akut)	8.33 mg/kg bw/day (ARB)
	3.571 mg/kg bw/day (BEV)
DNEL (Langzeit-wiederholt)	8.33 mg/kg bw/day (ARB)
	3.571 mg/kg bw/day (BEV)
	DNEL (Kurzzeit-akut) DNEL (Langzeit-wiederholt) DNEL (Kurzzeit-akut) DNEL (Langzeit-wiederholt)

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9 =			
ade name: Akepo	ox 2040 Component A		
			(Contd. of page
Inhalative DNEL	_ (Kurzzeit-akut)	12.25 mg/m³ Air (ARB)	
DNEL	(Langzeit-wiederholt)	12.25 mg/m³ Air (ARB)	
28064-14-4 phe	nol, polymer with forn	naldehyde, glycidyl ether	
Dermal DNEL	(Langzeit-wiederholt)	104.15 mg/kg bw/day (ARB)	
Inhalative DNEL	(Langzeit-wiederholt)	29.39 mg/m³ Air (ARB)	
16096-31-4 1.6-	hexanediol diglycidyl	ether	
Dermal DNEL	(Langzeit-wiederholt)	2.8 mg/kg bw/day (ARB)	
Inhalative DNEL	(Langzeit-wiederholt)	2.9 mg/m³ Air (ARB)	
PNECs			
25068-38-6 read = 70		nol-A-(epichlorhydrin) epoxy resin (number	average molecular weigl
PNEC (wässrig)	,		
TIVEO (Wassing)	0.0006 mg/l (MW)		
	0.006 mg/l (SW)		
	0.000 mg/l (SW)		
PNEC (fest)	0.196 mg/kg Trockeng	new (BO)	
11420 (1031)	0.0996 mg/kg Trocker		
	0.996 mg/kg Trockeng	• · · /	
28064-14-4 nhe		naldehyde, glycidyl ether	
-	0.0003 mg/l (MW)	iaidonydo, glybidy. omoi	
Tite (wassing)	0.003 mg/l (SW)		
16096-31-4 1.6-	hexanediol diglycidyl	ether	
	0.00115 mg/l (MW)		
(0.0115 mg/l (SW)		
Additional inform	• • • •	lists valid during the making were used as basi	S.
8.2 Exposure co		3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	
Personal protect			
General protective	ve and hygienic		
measures:		not eat, drink, smoke or sniff while working.	
		skin protection cream for skin protection. An skin thoroughly immediately after handling th	e product
	Clea	an skin inoroughly inlinediately after handling th	e product.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.

· Respiratory protection: Not necessary if room is well-ventilated. Short term filter device:

· Protection of hands:

Filter A/P2

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

Skin protection agent recommendation for preventive skin shelter in application

and combination of protective gloves: STOKO EMULSION (http://www.stoko.com)

Skin protection recommendation for skin cleaning after product handling:

Kresto Classic (http://debstoko.com)

Skin protection agent recommendation for skin aftercare:

STOKO VITAN (http://www.stoko.com)

The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. (Contd. on page 6)



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the above listed protection glove type. The mentioned permeation times' data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory anylyses of the company KCL GmbH in compliance with EN374.

This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: http://www.kcl.de).



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves Butyl rubber, BR

Chloroprene rubber, CR Nitrile rubber, NBR

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked

prior to the application.

Value for the permeation: Level ≤ 6, 480 min 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.

· For the permanent contact gloves made of the following materials are

suitable:

Butyl rubber, BR

Butoject (KCL, Art_No. 897, 898)

Nitrile rubber, NBR

Camatril (KCL, Art No. 730, 731, 732, 733)

Dermatril (Art_No. 740, 741, 742)

Chloroprene rubber, CR

Camapren (KCL, Art No. 720, 722, 726)

· As protection from splashes gloves made of the following materials are

suitable:

Nitrile rubber, NBR

Dermatril (KCL, Art_No. 740, 741, 742) Camatril (KCL, 730, 731, 732, 733)

Chloroprene rubber, CR

Camapren (KCL, Art_No. 720, 722, 726)

· Not suitable are gloves made of

the following materials:

Leather gloves

Strong material gloves

· Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing

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SECTION 9: Physical and chemical properties

 9.1 Information on basic physical ar General Information Appearance: 		
Form:	Pasty	
Colour:	Light grey	
· <u>Odour:</u>	Characteristic	
· pH-value:	Not applicable	
 Change in condition Melting point/freezing point: Initial boiling point and boiling range: 	Undetermined. > 200 °C	
· Flash point:	Not applicable.	
· <u>Ignition temperature:</u>	>300 °C	
· Decomposition temperature:	> 200 °C °C	
· Auto-ignition temperature:	Product is not selfigniting.	
 Explosive properties: 	Product does not present an explosion hazard.	
· Vapour pressure at 20 °C:	2 hPa	
· Density at 20 °C:	1.71 g/cm³	
Solubility in / Miscibility with water:	Not miscible or difficult to mix.	
· Viscosity:		
Dynamic:	Not determined.	
	Not applicable	
Kinematic:	Not determined.	
	Not applicable	
	955	
Solvent content:		

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

0.0 %

56.6 %

10.2 Chemical stability · Thermal decomposition /

Organic solvents: Solids content:

· 9.2 Other information

conditions to be avoided:

No decomposition if used and stored according to specifications.

· 10.3 Possibility of hazardous

reactions May produce violent reactions with bases and numerous organic substances

including alcohols and amines. Reacts with reducing agents.

Reacts with strong acids.

· 10.4 Conditions to avoid · 10.5 Incompatible materials: No further relevant information available. No further relevant information available.

No further relevant information available.

· 10.6 Hazardous decomposition products:

Irritant gases/vapours

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SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

LDEO

Oral LD50 16,970 mg/kg

25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

Olai	LDSU	20,000 mg/kg (mouse)
		19,800 mg/kg (rabbit)
		11,400 mg/kg (rat)
	NOEL	540 mg/kg (rat) (OECD 416)
Dermal	LD50	20,000 mg/kg (rabbit)

28064-14-4 phenol, polymer with formaldehyde, glycidyl ether

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
		>2,000 mg/kg (rat)

16096-31-4 1.6-hexanediol diglycidyl ether

Oral	LD50	1,400 mg/kg (mouse)
		8,500 mg/kg (rat)
	LD50	>4,900 mg/kg (rat)
Inhalative	LC50/4 h	>100 mg/l (mouse)
	LC50/48h	23.1 mg/l (green alge)

· Primary irritant effect:

· Skin corrosion/irritation Causes skin irritation.

· Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation May cause an allergic skin reaction.

· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 STOT-single exposure
 STOT-repeated exposure
 Aspiration hazard
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
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 Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· 12.1 Toxicity

Aquatic toxicity:

25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

EC50/24h 1.1-3.6 mg/l (daphnia magna) EC50/96h 3.6 mg/l (Leuciscus idus)

220 mg/l (Scenedesmus subspicatus)

IC50 >100 mg/l (bacteria)

EC50/48h 2.7 mg/l (daphnia magna) (OECD 202) NOEC 0.3 mg/kg (daphnia magna) (OECD 211) EC50/72h 9.4 mg/l (selenastrum capricornutum)

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LC50/96h 1.3 mg/l (piscis)

1.5 mg/l (Oncorhynchus mykiss) (OECD 203)

1.5-7.7 mg/l (rainbow trout)

LC50/72h >11 mg/l (green alge)

28064-14-4 phenol, polymer with formaldehyde, glycidyl ether

EC50/96h 3.6 mg/l (Leuciscus idus)

220 mg/l (Scenedesmus subspicatus)

EC50 >1-<10 mg/l (Selenastrum capricornutum)

EC50/48h 2.55 mg/l (daphnia magna)

LC50/96h 2.54 mg/l (piscis)

16096-31-4 1.6-hexanediol diglycidyl ether

EC50/48h 67 mg/l (daphnia magna)

LC50/96h | 1.1 mg/l (goo)

17-31 mg/l (Oncorhynchus mykiss)

LC50/72h 30 mg/l (Oncorhynchus mykiss)

· 12.2 Persistence and

degradability No further relevant information available.

· 12.3 Bioaccumulative potential

No further relevant information available. · 12.4 Mobility in soil No further relevant information available.

· Ecotoxical effects:

Toxic for fish · Remark:

· Additional ecological information:

Do not allow product to reach ground water, water course or sewage system. · General notes:

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for

water

· 12.5 Results of PBT and vPvB assessment

· PBT: Not applicable. · vPvB Not applicable.

· 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

 Recommendation Must not be disposed together with household garbage. Do not allow product to

reach sewage system.

· European waste catalogue

MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND 20 00 00 INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

20 01 00 separately collected fractions (except 15 01)

20 01 27* paint, inks, adhesives and resins containing hazardous substances

Uncleaned packaging:

Empty contaminated packagings thoroughly. They may be recycled after Recommendation:

thorough and proper cleaning.

· Recommended cleansing agents: Alcohol

acetone

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Trade name: Akepox 2040 Component A				
	(Contd. of page 9)			
SECTION 14: Transport information	SECTION 14: Transport information			
· 14.1 UN-Number · ADR, IMDG, IATA	UN3082			
· 14.2 UN proper shipping name · ADR	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700), phenol,			
· <u>IMDG</u>	polymer with formaldehyde, glycidyl ether) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700), phenol, polymer with formaldehyde, glycidyl ether), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700), phenol, polymer			
· 14.3 Transport hazard class(es)	with formaldehyde, glycidyl ether)			
· ADR				
· Class · Label	9 (M6) Miscellaneous dangerous substances and articles.			
· IMDG, IATA				
· <u>Class</u> · <u>Label</u>	Miscellaneous dangerous substances and articles. 9			
· 14.4 Packing group · ADR, IMDG, IATA	III			
14.5 Environmental hazards: Marine pollutant:	Product contains environmentally hazardous substances: Yes Symbol (fish and tree)			
Special marking (ADR):Special marking (IATA):	Symbol (fish and tree) Symbol (fish and tree)			
14.6 Special precautions for user Danger code (Kemler): Stowage Category	Warning: Miscellaneous dangerous substances and articles. 90 A			
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.				
· Transport/Additional information:				
ADR Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml			
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Trade name: Akepox 2040 Component A		
	(Contd. of page 10)	
· Transport category	3	
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml	
· <u>UN "Model Regulation":</u>	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (REACTION PRODUCT: BISPHENOL-A- (EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE	

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· Directive 2012/18/EU

· Named dangerous substances -

ANNEX I

ANNEX I None of the ingredients is listed.

• <u>Seveso category</u> E2 Hazardous to the Aquatic Environment

· Qualifying quantity (tonnes) for the

application of lower-tier

<u>requirements</u> 200 t

· Qualifying quantity (tonnes) for the

application of upper-tier

requirements 500 t

- REGULATION (EC) No 1907/2006

ANNEX XVII Conditions of restriction: 3

· National regulations:

· Information about limitation of use: Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be

MOLECULAR WEIGHT = 700), PHENOL, POLYMER WITH

FORMALDEHYDE, GLYCIDYL ETHER), 9, III

observed.

 $0.0 \, g/l$

· Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· VOC EU

· 15.2 Chemical safety

assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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.

· Relevant phrases H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

· Recommended restriction of use refer to Technical Data Sheet (TDS)

Department issuing SDS: Laboratory

· Contact: Dieter Zimmermann

Elke Hake

Fon ++49 (0)911 64296-59 @mail E.Hake@akemi.de

· Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de

fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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Safety data sheet according to 1907/2006/EC, Article 31

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Trade name: Akepox 2040 Component A

ICAO: International Civil Aviation Organisation

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ADR: Accord européen sur le transport des marchandises dangereuses par Route (European

Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1 Skin Sens. 1B: Skin sensitisation – Category 1B

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

 * Data compared to the previous version altered.

Adaptation in accordance with REACH directive 1907/2006/EC

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