AKEMI®

Printing date 21.01.2019 Version number 17 Revision: 21.01.2019

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

· 1.1 Product identifier

· Trade name: Akepox 2030 Component B

· Article number: 10601, 10614, 10602, 10566, 10612, 10605, 10613, 10565, 10563, 10600,

10603, 10564, 10604, 10649

1.2 Relevant identified uses of the substance or mixture and

uses advised against

No further relevant information available.

Application of the substance / the

<u>mixture</u> 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:

· 1.4 Emergency telephone

number:

Laboratory

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



GHS08 health hazard

Muta. 2 H341 Suspected of causing genetic defects.



GHS05 corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.

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

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· 2.2 Label elements

· Labelling according to Regulation

(EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

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· Hazard pictograms







GHS05 GHS07 GHS08

Signal word

Danger

· Hazard-determining components

of labelling:

formaldehyde polymer with 1,3-benzenedimethanamine and phenol

m-phenylenebis(methylamine)

phenol

Benzyl alcohol

N-(3-(trimethoxysilyl)propyl)ethylenediamine

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

- Hazard statements H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.

H341 Suspected of causing genetic defects.

H412 Harmful 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.
P260 Do not breathe vapours.

P273 Avoid release to the environment.

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

protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water [or shower].

P304+P340 IF INHALED: Remove person to fresh air and keep

comfortable for breathing.

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

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

insina.

P310 Immediately call a POISON CENTER/doctor.

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

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/

regional/national/international regulations.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

PBT: Not applicable.∨P∨B: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

NLP: 500-137-0 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412 CAS: 1477-55-0 EINECS: 216-032-5 Reg.nr.: 01-2119480150-50-xxxx Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317	- Dangerous components:		
Aquatic Chronic 3, H412 CAS: 1477-55-0	NLP: 500-137-0	♦ Skin Corr. 1B, H314	25-50%
EINECS: 216-032-5 Reg.nr.: 01-2119480150-50-xxxx Skin Corr. 1B, H314 Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317			
Aguatic Chronic 3, H412	EINECS: 216-032-5 Reg.nr.: 01-2119480150-50-xxxx	Skin Corr. 1B, H314	12.5-25%

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		(Co	ontd. of page 2)
	CAS: 100-51-6	Benzyl alcohol	<12.5%
	EINECS: 202-859-9 Index number: 603-057-00-5 Reg.nr.: 01-2119492630-38-0000	Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Eye Irrit. 2, H319	
	CAS: 108-95-2	phenol	1-5%
	EINECS: 203-632-7	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331	1
	Index number: 604-001-00-2	Muta. 2, H341; STOT RE 2, H373	
	Reg.nr.: 01-2119471329-32	Skin Corr. 1B, H314	
		N-(3-(trimethoxysilyl)propyl)ethylenediamine	1-5%
		♦ Eye Dam. 1, H318	1
		🐧 Skin Sens. 1, H317	
Ī	CAS: 123-26-2	N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)	<1%
	EINECS: 204-613-6	♦ Skin Sens. 1B, H317	1
	Reg.nr.: 01-2120783565-42-xxxx		
_	 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: Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical

observation for at least 48 hours after the accident.

· 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: Immediately wash with water and soap and rinse thoroughly.

· After eye contact: Rinse opened eye for several minutes under running water. Then consult a

doctor.

After swallowing: Call for a doctor immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

 4.2 Most important symptoms and effects, both acute and

delayed

Headache Dizziness Dizziness Nausea

Allergic reactions

· Information for doctor:

The symptoms of phenol based poisoning appearances are white coloured

mouth scabs, shock condition, insensibility, bradycardia and renal dysfunction and damage of renal tissue. Appropriate therapy measures: Administration of an adequate volume of liquid, gastrolavage in application of carbo medicinalis, sodium sulphate with plenty of water, infusion of glucose solution (5%);

maesures against state of shock, hemodialysis.

• 4.3 Indication of any immediate medical attention and special

treatment needed No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

• Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

· 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) Nitrogen oxides (NOx)

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· 5.3 Advice for firefighters · Protective equipment:

Wear fully protective suit.

Wear self-contained respiratory protective device.

Mount 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.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· 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:

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

binders, sawdust). Use neutralising agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· 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 Ensure good ventilation/exhaustion at the workplace.

· Information about fire - and

No special measures required. explosion protection:

· 7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by

No special requirements. storerooms and receptacles:

Information about storage in one

common storage facility:

Not required.

· Further information about storage

conditions:

Keep container tightly sealed.

Storage class:

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

SECTION 8: Exposure controls/personal protection

Additional information about

design of technical facilities: No further data; see item 7.

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

108-95-2 phenol

WEL Short-term value: 16 mg/m³, 4 ppm

Long-term value: 7.8 mg/m³, 2 ppm

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		(Contd. of page
DNELs		(2000000)
57214-10-	5 formaldehyde polymer wi	th 1,3-benzenedimethanamine and phenol
Oral	DNEL (Kurzzeit-akut)	3.33 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	3.33 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	0.00385-2.8 mg/kg bw/day (ARB)
		0.000167-0.008 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	0.000385-0.28 mg/kg bw/day (ARB)
	· ·	0.000167-0.008 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	2-6 mg/m³ Air (ARB)
1477-55-0	m-phenylenebis(methylam	ine)
Dermal	DNEL (Langzeit-wiederholt)	0.33 mg/kg bw/day (ARB)
Inhalative	DNEL (Langzeit-wiederholt)	1.2 mg/m³ Air (ARB)
100-51-6 E	Benzyl alcohol	
Oral	DNEL (Kurzzeit-akut)	20 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	4 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	40 mg/kg bw/day (ARB)
		20 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	8 mg/kg bw/day (ARB)
		4 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	110 mg/m³ Air (ARB)
		27 mg/m³ Air (BEV)
	DNEL (Langzeit-wiederholt)	22 mg/m³ Air (ARB)
		5.4 mg/m³ Air (BEV)
108-95-2 բ	phenol	
Oral	DNEL (Langzeit-wiederholt)	0.4 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	0.4 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	8 mg/m³ Air (ARB)
		1.32 mg/m³ Air (BEV)
N-(3-(trim	ethoxysilyl)propyl)ethylene	diamine
Oral	DNEL (Langzeit-wiederholt)	
Dermal	DNEL (Kurzzeit-akut)	5 mg/kg bw/day (ARB)
	DNEL (Langzeit-wiederholt)	5 mg/kg bw/day (ARB)
		2.5 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	35.5 mg/m³ Air (ARB)
		8.7 mg/m³ Air (BEV)
PNECs		
57214-10-	5 formaldehyde polymer wi	th 1,3-benzenedimethanamine and phenol
PNEC (wässrig) 30 mg/l (KA)		
	0.002 mg/l (MW)	
	0.02 mg/l (SW)	
PNEC (fes	t) 0.0236 mg/kg Trocker	gew (BO)
	0.01 mg/kg Trockenge	ew (MWS)
	0.1001 mg/kg Trocker	gew (SWS)
1477-55-0	m-phenylenebis(methylam	ine)
PNEC (wä	ssrig) 0.0094 mg/l (MW)	
	0.094 mg/l (SW)	



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	(Contd. of page 5)
100-51-6 Benzy	l alcohol
PNEC (wässrig)	39 mg/l (KA)
	0.1 mg/l (MW)
	1 mg/l (SW)
	2.3 mg/l (WAS)
PNEC (fest)	0.456 mg/kg Trockengew (BO)
	0.527 mg/kg Trockengew (MWS)
	5.27 mg/kg Trockengew (SWS)
108-95-2 pheno	
PNEC (wässrig)	2.1 mg/l (KA)
	0.00077 mg/l (MW)
	0.0077 mg/l (SW)
PNEC (fest)	0.136 mg/kg Trockengew (BO)
	0.00915 mg/kg Trockengew (MWS)
	0.0915 mg/kg Trockengew (SWS)
N-(3-(trimethox	ysilyl)propyl)ethylenediamine
PNEC (wässrig)	25 mg/l (KA)
	0.0062 mg/l (MW)
	0.062 mg/l (SW)
	0.62 mg/l (WAS)
PNEC (fest)	0.0075 mg/kg Trockengew (BO)
	0.005 mg/kg Trockengew (MWS)
	0.05 mg/kg Trockengew (SWS)

Additional information:

The lists valid during the making were used as basis.

· 8.2 Exposure controls

· Personal protective equipment:

· General protective and hygienic

measures:

· Protection of hands:

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: Short term filter device:

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.



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

Skin protection agent recommendation for preventive skin shelter in application and combination of protective gloves:

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

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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. 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).

· Material of gloves Butyl rubber, BR

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.

· Penetration time of glove material

Value for the permeation: Level ≤ 6, 480 min

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

Dermatril (Art No. 740, 741, 742)

Camatril (KCL, Art_No. 730, 731, 732, 733)

Chloroprene rubber, CR

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

 As protection from splashes gloves made of the following materials are

suitable:

Butyl rubber, BR

Nitrile rubber, NBR

Camatril (KCL, 730, 731, 732, 733)

· Not suitable are gloves made of

the following materials:

Leather gloves

Strong material gloves

Eye protection:

Tightly sealed goggles

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- General Information
- Appearance:

Form: Pasty

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•		
Trade name: Akepox 2030 Component	В	
		(Contd. of page 7)
Colour:	Grey	
· <u>Odour:</u>	Characteristic	
· pH-value:	Not applicable	
Change in condition Melting point/freezing point: Initial boiling point and boiling range	Undetermined. <u>:</u> 205 °C	
· Flash point:	101 °C	
· Ignition temperature:	435 °C	
· Auto-ignition temperature:	Product is not selfigniting.	
· Explosive properties:	Product does not present an explosion hazard.	
Explosion limits: Lower: Upper:	1.3 Vol % 13 Vol %	
· Vapour pressure at 20 °C:	0.1 hPa	
· Density at 20 °C:	1.5 g/cm ³	
Solubility in / Miscibility with water:	Not miscible or difficult to mix.	
Viscosity: Dynamic at 20 °C: Kinematic:	80,000 mPas Not determined.	
Solvent content: Organic solvents:	4.0 %	
Solids content:	56.9 %	

No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability · Thermal decomposition /

· 9.2 Other information

conditions to be avoided:

No decomposition if used according to specifications.

· 10.3 Possibility of hazardous

Strong exothermic reaction with acids. reactions · 10.4 Conditions to avoid No further relevant information available. · 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition

products: Corrosive gases/vapours

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity Harmful if inhaled.

· LD/LC50 values relevant for classification:

ATE (Acu	te Toxicity	Estimates)
Oral	LD50	2,966 mg/kg

LD50 Dermal 9,895 mg/kg Inhalative LC50/4 h 13.7-14.5 mg/l (rat)

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			(Contd. of page
57214-10-	5 formalde	ehyde polymer with 1,3-benzenedimethanamine and phenol	(Comar or pag
Oral	LD50	>2,000 mg/kg (rat)	
Dermal	LD50	>2,020 mg/kg (rat)	
		enebis(methylamine)	
Oral	LD50	930 mg/kg (rat)	
·	NOEL	150 mg/kg (rat)	
Dermal	LD50	3,100 mg/kg (rabbit)	
	LC50/4 h		
	LC50/1h	3.89 mg/l (rat)	
100-51-6 E	Benzyl alco	- · ·	
Oral	LD50	1,040 mg/kg (mouse)	
		1,040 mg/kg (rabbit)	
		1,230 mg/kg (rat)	
	NOEL	400 mg/kg (rat)	
	NOAEL	200 mg/kg (mouse)	
		400 mg/kg (rat)	
Dermal	LD50	2,000 mg/kg (rabbit)	
Inhalative	LC50/8h	1,000 ppm (rat)	
	LC50/4 h	11 mg/l (rat)	
	LC50/48h	360 mg/l (daphnia magna)	
		645 mg/l (goo)	
108-95-2 phenol			
Oral LD50 300 mg/kg (mouse)		300 mg/kg (mouse)	
		317 mg/kg (rat)	
Dermal LD50 630 mg/kg (rat) Inhalative LC50/4 h LC50/8h 0.9 mg/l (rat) N-(3-(trimethoxysilyl)propyl)ethylenediamine		630 mg/kg (rat)	
		316 mg/l (rat)	
		0.9 mg/l (rat)	
		l)propyl)ethylenediamine	
Oral	LD50	2,995 mg/kg (rat)	
	NOEL	≥500 mg/kg (rat) (OECD 422)	
	NOAEL	≥500 mg/kg (rat)	
Dermal LD50 >2,000 mg/kg (rat)			
J		1.49-2.44 mg/l (rat)	
	itant effect:		
	sion/irritatio /e damage/		
		<u>'irritation</u> Causes serious eye damage. ensitisation May cause an allergic skin reaction.	
CMR effects (carcinogenity, mutag		genity, mutagenicity and toxicity for reproduction)	
Germ cell mutagenicity		ty Suspected of causing genetic defects.	
Carcinogenicity		Based on available data, the classification criteria are not met.	
	ive toxicity gle exposur	Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.	
	eated exposur		
Aspiration		Based on available data, the classification criteria are not met.	
Aspiration nazaru			(Contd. on page



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SECTION 12: Ecological information			
12.1 Toxicity			
· Aquatic toxici	<u>. </u>		
	ormaldehyde polymer with 1,3-benzenedimethanamine and phenol		
EC50	491.3 mg/l (BES)		
	29.8 mg/l (daphnia magna)		
	20.4 mg/l (Pseudokirchneriella subcapitata)		
LC50/96h 25.9 mg/l (Oncorhynchus mykiss)			
1477-55-0 m-	phenylenebis(methylamine)		
EC50/48h	15.2 mg/l (daphnia magna)		
EC50/72h	12 mg/l (Scenedesmus subspicatus)		
	20.3 mg/l (selenastrum capricornutum)		
LC50/96h	>100 mg/l (Oncorhynchus mykiss)		
	87.6 mg/l (Oryzias latipes)		
	>100 mg/l (Zebrabärbling)		
100-51-6 Ber	nzyl alcohol		
EC50/24h	55-400 mg/l (daphnia magna)		
EC50/96h	640 mg/l (Scenedesmus pluvialis)		
EC50	2,100 mg/l (BES) (OECD 209)		
	79 mg/l (Scenedesmus quadricauda)		
EC10/16h	658 mg/l (pseudomonas putida)		
EC50/48h	230 mg/l (daphnia magna) (OECD 202)		
EC0	640 mg/l (Scenedesmus quadricauda)		
EC50/16h	658 mg/l (pseudomonas putida)		
EC50/30min	71.4 mg/l (Photobac. phosphoreum)		
	400 mg/l (pseudomonas putida)		
IC5/96h	640 mg/l (Scenedesmus quadricauda)		
NOEC	310 mg/kg (Pseudokirchneriella subcapitata)		
	51 mg/l (daphnia magna) (OECD211)		
EC50/72h	770 mg/l (green alge) (OECD 201)		
	770 mg/l (Pseudokirchneriella subcapitata)		
LC50/96h	645 mg/l (goo)		
2000,0011	10 mg/l (lepomis macrochirus)		
	460 mg/l (Pimephales promelas)		
108-95-2 phe			
	21 mg/l (BO)		
	61.1 mg/l (green alge)		
	3.1 mg/l (daphnia magna)		
	8.9 mg/l (Oncorhynchus mykiss)		
	oxysilyl)propyl)ethylenediamine		
EC50	435 mg/l (Klärschlamm: Atmungs-/Vermehrungshemmung)		
	8.8 mg/l (green alge) (OECD 201)		
	81 mg/l (daphnia magna)		
	67 mg/l (pseudomonas putida)		
EC50/16h NOEC	3.1 mg/kg (green alge) (OECD 201)		



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≥1,000 mg/kg (Eisenia fetida (Regenwürmer)) (OECD 207)

NOEC/21d >1 mg/l (daphnia magna) EC50/48h 87.4 mg/l (daphnia magna) EC50/72h 5 mg/l (green alge) LC50/96h 597 mg/l (Danio rerio.)

168 mg/l (pimephales promelas)

· 12.2 Persistence and

degradability
 12.3 Bioaccumulative potential
 12.4 Mobility in soil
 No further relevant information available.
 No further relevant information available.

Additional ecological information:

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

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

water

· 12.5 Results of PBT and vPvB assessment

 $\begin{array}{ll} \cdot \ \underline{\mathsf{PBT:}} & \mathsf{Not} \ \mathsf{applicable.} \\ \cdot \ \underline{\mathsf{vPvB:}} & \mathsf{Not} \ \mathsf{applicable.} \end{array}$

• 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 	· European waste catalogue		
20 00 00 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AI INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS			
20 01 00	separately collected fractions (except 15 01)		
20 01 27*	7* paint, inks, adhesives and resins containing hazardous substances		

· Uncleaned packaging:

14.1 LIN-Number

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

thorough and proper cleaning.

SECTION 14: Transport information

· ADR, IMDG, IATA	UN2735
· 14.2 UN proper shipping name	
· <u>ADR</u>	2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (formaldehyde polymer with 1,3-benzenedimethanamine and phenol, m-phenylenebis(methylamine))
· <u>IMDG, IATA</u>	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (formaldehyde polymer with 1,3-benzenedimethanamine and phenol, m-phenylenebis(methylamine))

· 14.3 Transport hazard class(es)

· ADR



· Class 8 (C7) Corrosive substances.

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according to 1907/2006/EC, Article 31

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	(Contd. of page
Label	8
IMDG, IATA	
Class Label	8 Corrosive substances. 8
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Danger code (Kemler): EMS Number: Segregation groups Stowage Category Segregation Code	Warning: Corrosive substances. 80 F-A,S-B Alkalis A SG35 Stow "separated from" acids.
14.7 Transport in bulk according to Anno	ex 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
Transport category Tunnel restriction code	3 E
IMDG Limited quantities (LQ) Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O. (FORMALDEHYDE POLYMER WITH 1, 3 BENZENEDIMETHANAMINE AND PHENOL, MPHENYLENEBIS(METHYLAMINE)), 8, III

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 None of the ingredients is listed.

- 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

observed.

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according to 1907/2006/EC, Article 31

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Trade name: Akepox 2030 Component B

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

· VOC EU 180.9 q/l

· 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.

H301 Toxic if swallowed. · Relevant phrases

> H302 Harmful if swallowed. H311 Toxic in contact with skin. H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation.

H331 Toxic if inhaled. H332 Harmful if inhaled.

H341 Suspected of causing genetic defects.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

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

 Department issuing SDS: Laboratory

Dieter Zimmermann Contact:

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

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

ICAO: International Civil Aviation Organisation

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 (RÈACH)

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 Acute Tox. 3: Acute toxicity – Category 3 Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation - Category 1B Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation - Category 1B Muta. 2: Germ cell mutagenicity - Category 2

STOT RE 2: Specific target organ toxicity (repeated exposure) - 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