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Safety Data Sheet acc. to OSHA HCS

Printing date 01/21/2014

Reviewed on 01/21/2014

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1 Identification		
· Product identifier		
· Trade name:	Akepox 5010 Component A	
Article number:	10685, 10686, 10684, 10687, 10568	
· Relevant identified uses of the		
substance or mixture and uses	No. fourth an under southing an atting an unit of the	
advised against • Application of the substance / the	No further relevant information available.	
mixture	Epoxy resin adhesive	
· Details of the supplier of the sat	etv 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
 Information department: Emergency telephone number: 	Laboratory Product Safety Department AKEMI chemisch technis 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.	sche Spezialfabrik GmbH
2 Hazard(s) identification		
Classification of the substance	or mixture	
GHS07		
Skin Irrit. 2 H315 Causes skin i	rritation	
Eye Irrit. 2A H319 Causes serio		
Skin Sens. 1 H317 May cause ar	-	
· Response:	IF ON SKIN (or hair): Remove/Take off immediatel	y all contaminated clothing.
	Rinse skin with water/shower.	· · · · <u>-</u> · · · ·
	IF IN EYES: Rinse cautiously with water for several lenses, if present and easy to do. Continue rinsing.	al minutes. Remove contact
	IF INHALED: Remove victim to fresh air and I	keep at rest in a position
	comfortable for breathing.	
Otoreau	Call a POISON CENTER or doctor/physician if you for	
· <u>Storage:</u>	Store in a well-ventilated place. Keep container tight	y closed.
Classification according to Directive Irritant	e 67/548/EEC or Directive 1999/45/EC	
Irritating to eyes and skin. May car	use sensitization by skin contact.	
Dangerous for the environme		
 Toxic to aquatic organisms, may c Information concerning particular hazards for human and 	ause long-term adverse effects in the aquatic environr	nent.
environment:	Contact with skin and inhalation of aerosols/ vapou	rs of the preparation should
	be avoided.	
	The product has to be labelled due to the calculatio	
Classification system:	Classification guideline for preparations of the EU" in The classification was made according to the late substances lists, and expanded upon from company	est editions of international
· Label elements		
· GHS label elements	The product is classified and labeled according to System (GHS).	o the Globally Harmonized
		(Contd. on page 2)
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		(Contd. of pag
Hazard pictograms		
	GHS07	
Signal word	Warning	
Hazard-determining componen	ts	
of labeling:		ct: bisphenol-A-(epichlorhydrin) epoxy resin (number avera
	molecular weig	
Hozord statements	H315 Causes s	ethanol-diglycidylether
Hazard statements		erious eye irritation.
		se an allergic skin reaction.
Precautionary statements	P101	If medical advice is needed, have product container or la
	1 101	at hand.
	P102	Keep out of reach of children.
	P103	Read label before use.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves/protective clothing/eye protection/fa
		protection.
	P261	Avoid breathing vapours.
	P305+P351+P3	338 IF IN EYES: Rinse cautiously with water for several minut
		Remove contact lenses, if present and easy to do. Contin
	D000 . D040	rinsing.
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention
	P337+P313	If eye irritation persists: Get medical advice/attention.
	P302+P352	IF ON SKIN: Wash with plenty of soap and water. Dispose of contents/container in accordance with loc
	P501	regional/national/international regulations.
Classification system:		
NFPA ratings (scale 0 - 4)		ealth = 1
		re = 0
		eactivity = 0
HMIS-ratings (scale 0 - 4)	HEALTH 1 H	lealth = 1
		Fire = 0
	REACTIVITY 0	Reactivity = 0
Other hazards		
Results of PBT and vPvB asse	ssment	
PBT:	Not applicable.	
VPVB:	Not applicable.	

Chemical characterization: Mixtures

4

• Description: Mixture of the substances listed below with nonhazardous additions.

 Dangerous components: 		
CAS: 25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number	50-100%
NLP: 500-033-5	average molecular weight = 700)	
Index number: 603-074-00-8	🗙 Xi R36/38-43; 🌄 N R51/53	
	🚸 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
	(Cor	ntd. on page 3)

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	10.	ontd. of page
CAS: 14228-73-0	Cyclohexandimethanol-diglycidylether	12.5-25%
	X Xi R36/38-43	12.0 20
	R52/53	
	Okin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	
	(2,3-epoxypropoxy)propyl]trimethoxysilane	
	🗙 Xi R36; 🌄 N R51/53	<1%
	\delta Flam. Liq. 3, H226; 🚸 Acute Tox. 3, H331; 伙 Eye Irrit. 2A, H319	
· Additional information:	For the wording of the listed risk phrases refer to section 16.	
4 First-aid measures		
· Description of first aid meas	ures	
General information:	Take affected persons out into the fresh air.	
	Position and transport stably on side.	
	Immediately remove any clothing soiled by the product.	
<u>After inhalation:</u>	Supply fresh air and to be sure call for a doctor.	
	In case of unconsciousness place patient stably in side p	osition 1
After skin contact:	transportation. If skin irritation continues, consult a doctor.	
Aller Skill Contact.	Immediately wash with water and soap and rinse thoroughly.	
After eye contact:	Rinse opened eye for several minutes under running water. If sympt	oms ners
<u>Anter eye contact.</u>	consult a doctor.	
After swallowing:	Rinse out mouth and then drink plenty of water.	
Information for doctor:	Bisphenol-A based resins: Inhalation, swallowing or dermal incorp	oration m
	cause health damage. Irritates respiratory tract, digestion system, ey	
	e.g., cough, dyspnea, lacrimation, burning. May cause health interfe	
	as dermal changes, renal, hepatic damage, and blood count ch	
	provoke skin allergies. Sensitized users can react toward	
	concentrations of Bisphenol-A-Epichlorhydrine and should avoid	any furth
	contact with this chemical.	
	The sensitizing effect of epoxide based resins is mainly cau	
	concentration of epoxy resin polymers with a specific molecular w	
	The observed allergic dermal and respiratory appearances should	
	symptomatically in dependence of the severity. An epoxy resin ba	
	disease belongs to a cell mediated (interaction of lymphocytes) type	IV allergy
Most important symptoms and		
effects, both acute and delayed		
	Coughing Allergic reactions	
Danger	Danger of impaired breathing.	
· Danger	Skin contact with polyester and epoxy resin solutions as ingre-	diant of t
	product should be avoided due to risks of skin irritations or a	
	appearances. If occasional hand contact can not be avoided, protect	
	proper protection ointments and protective agents generating a pro	
	on the skin were applied.	
 Indication of any immediate 		
medical attention and special		
treatment needed	If swallowed, gastric irrigation with added, activated carbon.	
5 Fire-fighting measures		
• Extinguishing media		
Suitable extinguishing agents:	CO2, extinguishing powder or water spray. Fight larger fires with wa alcohol resistant foam.	ater spray
· Special hazards arising from		
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:	

Formation of toxic gases is possible during heating or in case of fire. In case of fire, the following can be released:

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design of technical systems:

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	Carbon monoxide (CO) (Contd. of page
	In certain fire conditions, traces of other toxic gases cannot be excluded.
Advice for firefighters	
Protective equipment:	Wear fully protective suit.
Theelive equipment.	Wear self-contained respiatory protective device.
	Do not inhale explosion gases or combustion gases.
Additional information	Collect contaminated fire fighting water separately. It must not enter the sewa
	system.
	Dispose of fire debris and contaminated fire fighting water in accordance w
	official regulations.
Accidental release measures	
Personal precautions, protective	
equipment and emergency	
procedures	Ensure adequate ventilation
	Use respiratory protective device against the effects of fumes/dust/aerosol.
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 sewa
	system.
	Do not allow to enter sewers/ surface or ground water.
Methods and material for	
containment and cleaning up:	Dispose of the collected material according to regulations.
	Absorb with liquid-binding material (sand, diatomite, acid binders, univers
	binders, sawdust).
	Ensure adequate ventilation.
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.
Handling and storage	
Handling:	
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 protection	
against explosions and fires:	No special measures required.
Conditions for safe storage, incl	uding any incompatibilities
Storage:	
Requirements to be met by	Store only in the original recented
storerooms and receptacles:	Store only in the original receptacle.
Information about storage in and	Prevent any seepage into the ground.
Information about storage in one	Store owov from reducing agente
common storage facility:	Store away from reducing agents.
Further information about storage	Store recented in a well vertilated area
conditions:	Store receptacle in a well ventilated area.
Chapitia and was(a)	Keep receptacle tightly sealed.
Specific end use(s)	No further relevant information available.
Exposure controls/personal prot	tection
Additional information about	
design of technical systems:	No further data: see item 7

No further data; see item 7.

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Trade name: Akepox 5010 Compone	ent A
	(Contd. of page 4)
Control parameters 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.
 Exposure controls Personal protective equipment: General protective and hygienic measures: 	Do not eat, drink, smoke or sniff while working. Use skin protection cream for skin protection.
	Clean skin thoroughly immediately after handling the 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.
Breathing equipment:	Not necessary if room is well-ventilated. 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 respiratory protective device that is independent of circulating air.
 Protection of hands: 	Preventive skin protection by use of skin-protecting agents is recommended. After use of gloves apply skin-cleaning agents and skin cosmetics. Akemi skin protection agent recommendation for preventive skin shelter in application and combination of protective gloves: STOKO EMULSION (http://www.stoko.com)
	Akemi skin protection recommendation for skin cleaning after product handling: SLIG SPEZIAL (http://www.stoko.com) Akemi 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).
	Protective gloves
 Material of 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 Butyl rubber, BR
	Fluorocarbon rubber (Viton) 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. (Contd. on page 6)

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	ent A
Penetration time of glove material	(Contd. of pag As the product is a preparation of several substances, the resistance of glove material can not be calculated in advance and has therefore to be check prior to the application. Value for the permeation: Level \leq 6, 480 min The exact break trough time has to be found out by the manufacturer of
For the permanent contact gloves	protective gloves and has to be observed.
made of the following materials are	
<u>suitable:</u>	Butyl rubber, BR Butoject (KCL, Art No. 897, 898) Fluorocarbon rubber (Viton) Vitoject (KCL, Art No. 890)
As protection from splashes gloves	S
made of the following materials are suitable:	e Nitrile rubber, NBR Dermatril (KCL, Art No. 740, 741, 742) Chloroprene rubber, CR Camapren (KCL, Art No. 720, 722, 726)
Not suitable are gloves made of	Camapien (RCL, Art No. 720, 722, 720)
the following materials:	Leather gloves
Eye protection:	Strong gloves
	Tightly sealed goggles
Body protection:	Protective work clothing
Information on basic physical ar	
Information on basic physical an General Information Appearance: Form:	n d chemical properties Pasty
Information on basic physical an General Information Appearance: Form: Color:	nd chemical properties
Information on basic physical ar General Information Appearance: Form: Color: Odor:	nd chemical properties Pasty Colorless
Information on basic physical an General Information Appearance: Form: Color: Odor: pH-value:	nd chemical properties Pasty Colorless Characteristic
Information on basic physical ar General Information Appearance: Form: Color: Odor: pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range:	nd chemical properties Pasty Colorless Characteristic Not applicable Undetermined.
Information on basic physical ar General Information Appearance: Form: Color: Odor: pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Flash point:	Pasty Colorless Characteristic Not applicable Undetermined.
Information on basic physical ar General Information Appearance: Form: Color: Odor: pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Flash point: Auto igniting:	And chemical properties Pasty Colorless Characteristic Not applicable Undetermined. Undetermined. Not applicable.
Information on basic physical ar General Information Appearance: Form: Color: Odor: pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Flash point: Auto igniting: Danger of explosion:	Pasty Colorless Characteristic Not applicable Undetermined. Undetermined. Not applicable. Product is not selfigniting.
Information on basic physical ar General Information Appearance: Form: Color: Odor: pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Flash point: Auto igniting: Danger of explosion: Vapor pressure at 20 °C (68 °F):	And chemical properties Pasty Colorless Characteristic Not applicable Undetermined. Undetermined. Not applicable. Product is not selfigniting. Product does not present an explosion hazard.
Information on basic physical ar General Information Appearance: Form: Color: Odor: pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Flash point: Auto igniting: Danger of explosion: Vapor pressure at 20 °C (68 °F): Density at 20 °C (68 °F):	And chemical properties Pasty Colorless Characteristic Not applicable Undetermined. Undetermined. Not applicable. Product is not selfigniting. Product does not present an explosion hazard. 2 hPa (2 mm Hg)
Information on basic physical ar General Information Appearance: Form: Color: Odor: pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Flash point: Auto igniting: Danger of explosion: Vapor pressure at 20 °C (68 °F): Density at 20 °C (68 °F): Specific gravity at 20 °C (68 °F):	Pasty Colorless Characteristic Not applicable Undetermined. Undetermined. Not applicable. Product is not selfigniting. Product does not present an explosion hazard. 2 hPa (2 mm Hg) 1.17 g/cm³ (9.764 lbs/gal)
Information on basic physical ar General Information Appearance: Form: Color: Odor: pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Flash point: Auto igniting: Danger of explosion: Vapor pressure at 20 °C (68 °F): Density at 20 °C (68 °F): Specific gravity at 20 °C (68 °F): Specific gravity at 20 °C (68 °F): Solubility in / Miscibility with Water:	nd chemical properties Pasty Colorless Characteristic Not applicable Undetermined. Undetermined. Not applicable. Product is not selfigniting. Product does not present an explosion hazard. 2 hPa (2 mm Hg) 1.17 g/cm³ (9.764 lbs/gal) 1.17 g/cm³ (9.764 lbs/gal)
Color: Odor: pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Flash point: Auto igniting: Danger of explosion: Vapor pressure at 20 °C (68 °F): Density at 20 °C (68 °F): Specific gravity at 20 °C (68 °F): Solubility in / Miscibility with Water: Viscosity: Dynamic:	Pasty Colorless Characteristic Not applicable Undetermined. Undetermined. Undetermined. Not applicable. Product is not selfigniting. Product does not present an explosion hazard. 2 hPa (2 mm Hg) 1.17 g/cm ³ (9.764 lbs/gal) 1.17 g/cm ³ (9.764 lbs/gal) Not miscible or difficult to mix. Not determined.

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Trade name	e: Akep	oox 5010 Comp	onent A
			(Contd. of page 6
 Solvent 	conten	t:	
Organ	ic solve	ents:	0.0 %
· Other information			No further relevant information available.
10 Stability		eactivity	
Reactiv	ity	••	
Chemica	al stabil	lity prodition (
		position / e avoided:	No decomposition if used and stored according to specifications.
		nazardous	
reaction		14241 4045	May produce violent reactions with bases and numerous organic substances
			including alcohols and amines.
			Strong exothermic reaction with acids.
			Reacts with reducing agents.
· Conditi			No further relevant information available.
		naterials:	No further relevant information available.
		composition	Irritant gagas (vanara
product	<u>is:</u>		Irritant gases/vapors
	tion or	information	effects
• LD/LC5	0 value	s that are releva	nt for classification:
25068-3		action product: '00)	bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight
Oral	LD50	20000 mg/kg (n	nouse)
		19800 mg/kg (ra	abbit)
		11400 mg/kg (r	
	NOFI	540 mg/kg (rat)	•
Dermal		1270 mg/kg (m	
Denna	LDOU	> 2000 mg/kg (iii	,
Duine e m	:	> 1200 mg/kg (i	
Primary on the e		effect:	Irritant to akin and mucaus membranes
 <u>on the skin:</u> on the eye: 			Irritant to skin and mucous membranes. Irritating effect.
Sensitiz			Sensitization possible through skin contact.
Addition		ological	
informat		<u> </u>	The product shows the following dangers according to internally approved calculation methods for preparations: Irritant
· Carcino	genic c	ategories	
			Research on Cancer)
		redients is listed	

· NTP (National Toxicology Program) None of the ingredients is listed.

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Trade name: Akepox 5010 Component A

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12 Ecological information

Toxioity					
<u>Toxicity</u> 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)				
EC50/48h	2.8 mg/l (daphnia magna)				
EC50/72h	9.4 mg/l (selenastrum capricornutum)				
EC50/96h	220 mg/l (green alge)				
	3.6 mg/l (Leuciscus idu	ls)			
IC50	>100 mg/l (bacteria)				
LC50/96h	1.3 mg/l (piscis)				
	1.5 mg/l (Oncorhynchu	is mykiss) (OECD 203)			
	1.5-7.7 mg/l (rainbow t	rout)			
NOEC	0.3 mg/kg (daphnia ma				
	0 Cyclohexandimetha	nol-diglycidylether			
	13 mg/l (piscis)				
	ce and degradability in environmental syste	No further relevant information available.			
	ulative potential	No further relevant information available.			
Mobility in		No further relevant information available.			
Ecotoxica	l effects:	— • • • • •			
· <u>Remark:</u>	l ecological informatio	Toxic for fish			
· General no		Do not allow product to reach ground water, water course or sewage system.			
		Also poisonous for fish and plankton in water bodies.			
	Toxic for aquatic organisms				
. Posulte of	PBT and vPvB asses	Water hazard class 2 (Self-assessment): hazardous for water			
· PBT:		Not applicable.			
· vPvB:		Not applicable.			
· Other adv	• Other adverse effects No further relevant information available.				
13 Disposal o	considerations				
	atment methods				
· <u>Recomme</u>	ndation:	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.			
	d packagings:				
· <u>Recomme</u>	ndation:	Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.			
14 Transport	information				
· UN-Numb	er				
· DOT		Void			
· <u>ADR, IMD</u>	J, IATA	UN3082			
	r shipping name	Void			
· DOT		Void			
		(Contd. on page 9)			

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	(Contd. of page
· <u>ADR</u> · <u>IMDG</u>	3082 Environmentally hazardous substances, liquid, n.o.s., mixture ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S mixture, MARINE POLLUTANT
· IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S mixture
· Transport hazard class(es)	
· <u>DOT</u> · <u>Class</u>	Void
ADR	
· <u>Class</u> · <u>Label</u>	9 (M6) Miscellaneous dangerous substances and articles 9
· <u>Class</u> · <u>Label</u>	9 Miscellaneous dangerous substances and articles. 9
• <u>Packing group</u> • <u>DOT</u> • ADR, IMDG, IATA	Void III
• Environmental hazards: • Marine pollutant:	Product contains environmentally hazardous substances: Yes Symbol (fish and tree)
Special marking (ADR): Special marking (IATA):	Sýmbol (fish and tree) Symbol (fish and tree)
Special precautions for user Danger code (Kemler):	Warning: Miscellaneous dangerous substances and articles 90
• Transport in bulk according to Annex MARPOL73/78 and the IBC Code	II of Not applicable.
UN "Model Regulation":	UN3082, Environmentally hazardous substances, liquid, n.o.s mixture, 9, III

15 Regulatory information

\cdot Safety, health and environmental regulations/legislation specific for the substance or mixture \cdot 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.

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Trade name: Akepox 5010 Compon	ent A				
		(Contd. of page 9)			
• <u>Proposition 65</u> • 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.					
 <u>Cancerogenity categories</u> 					
EPA (Environmental Protection Age	ency)				
None of the ingredients is listed.					
• TLV (Threshold Limit Value establ	ished by ACGIH)				
None of the ingredients is listed.					
· MAK (German Maximum Workplace	ce Concentration)				
None of the ingredients is listed.					
· NIOSH-Ca (National Institute for C	ccupational Safety	and Health)			
None of the ingredients is listed.					
· OSHA-Ca (Occupational Safety &	Health Administratio	n)			
None of the ingredients is listed.					
· GHS label elements	The product is cla System (GHS).	assified and labeled according to the Globally Harmonized			
 Hazard pictograms 					
	GHS07				
 Signal word 	Warning				
· Hazard-determining components					
of labeling:	reaction product: molecular weight =	bisphenol-A-(epichlorhydrin) epoxy resin (number average			
		anol-diglycidylether			
Hazard statements	H315 Causes skin				
	H319 Causes serie	ous eye irritation. In allergic skin reaction.			
 Precautionary statements 	P101	If medical advice is needed, have product container or label			
		at hand.			
	P102	Keep out of reach of children.			
	P103 P271	Read label before use. Use only outdoors or in a well-ventilated area.			
	P280	Wear protective gloves/protective clothing/eye protection/face protection.			
	P261	Avoid breathing vapours.			
	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.			
	P302+P352 P501	IF ON SKIN: Wash with plenty of soap and water. Dispose of contents/container in accordance with local/			
		regional/national/international regulations. (Contd. on page 11)			
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Trade name: Akepox 5010 Component A

(Contd. of page 10)

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 National regulations: 	
 Information about limitation of use: 	Employment restrictions concerning young persons must be observed. Employment restrictions concerning pregnant and lactating women must be observed.
· Water hazard class:	Water hazard class 2 (Self-assessment): hazardous for water.
· <u>VOC USA</u>	The VOC of the materials was determined in accordance with procedures outlined in EPA Method 24, "Determination of Volatile Matter, Water Content, Volume Solid of Surface Coatings". The VOC was calculated using the equations referenced in ASTM D 3960, "Determination of Volatile Organic Compound (VOC) Content of Paints and Related Coatings". 0.0 g/l
 Chemical safety assessment: 	A Chemical Safety Assessment has not been carried out.

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
• Date of preparation / last revision	01/21/2014 / -
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) ICAO: International Civil Aviation Organization 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 DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists 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) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA)
	LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent
	- USA