

Colouring Concentrate liquid / Colouring Paste

for adhesives based on polyester, epoxyacrylate and PUR

Technical Data Sheet

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Properties:	AKEMI [®] Colouring Concentrates liquid / Colouring Pastes are concentrates in different colour shades. The products are characterized by the following properties:
	 easy colouring of adhesives based on polyester, epoxyacrylate and PUR
	 the liquid consistency (of concentrates) makes it easier to mix with liquid products
	 matching the colour of the adhesive to many common stone colours balanced pigment concentration, thus easy adjustment of different colour shades and high coverage
	 extremely UV- and light-resistant pigments, i.e. no fading no deterioration of the properties of the coloured adhesives
Application Area:	AKEMI [®] Colouring Concentrates liquid / Colouring Pastes are used for colouring Marble Filler 1000, Marble Filler Super, MS 76, PLATINUM P+ (expoxyacrylate adhesive), Polishing Line Adhesive RAPID and EVER-CLEAR (PUR adhesive). Thus, the colour of the adhesive can be adjusted to the respective stone colour.
Instructions for Use:	 Add maximum 5% of AKEMI[®] Colouring Concentrate liquid / Colouring Paste to the adhesive to be coloured, depending on the colour of the concentrate and the stone. Mix well until a homogenous shade of colour is achieved.
Special Notes:	 For professional use only. Use afin[®] Liquid Glove to protect your hands. Hardener to be added after the colour had been adjusted. For proper waste disposal, the container must be completely emptied. Recycling in accordance with the guidelines of EU Decision 97/129 EC on the Packaging Directive 94/62/EC.
Technical Data:	Colours: red, redbrown, white, black, ochre, green, brown, blue Colouring Concentrates: additionally beige, grey
Storage:	If stored in dry and cool condition (5-25°C/41-77°F) in its closed original container at least 3 years from production.
Health & Safety:	Read Safety Data Sheet before handling or using this product.
Important Notice:	The above information is based on the latest stage of development and application technology. Due to a multiplicity of different influencing factors, this information – as well as other oral or written technical advises – must be considered as non-binding hints. The user is obliged in each particular case to conduct performance tests, including but not limited to trails of the product, in an inconspicuous area or fabrication of a sample piece.



Safety data sheet according to 1907/2006/EC, Article 31 Printing date 17.05.2023 Version number 4 (replaces version 3) Revision: 17.05.2023 SECTION 1: Identification of the substance/mixture and of the company/undertaking

Trade name:	Colouring Pastes for Marble Filler	
Article number: 1.2 Relevant identified uses of the substance or mixture and	11001, 11002, 11003, 11004, 11005, 11006, 11007,	11011, 11012
the substance or mixture and uses advised against Application of the substance / the	No further relevant information available.	
mixture	Stainer	
1.3 Details of the supplier of the Manufacturer/Supplier:	safety data sheet AKEMI chemisch technische Spezialfabrik GmbH Lechstrasse 28 D 90451 Nürnberg	Tel. +49(0)911-64296 Fax. +49(0)911-64445 e-mail info@akemi.c
Further information obtainable from: 1.4 Emergency telephone	Laboratory	
number:	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.	che Spezialfabrik GmbH
	Antigifcentrum Belgie: 070 245 245 Tox Info Suisse 24-h-Notfallnummer: 145 (aus dem Ausland: +41 44 Auskunft: +41 44 251 66 66	251 51 51)
SECTION 2: Hazards identification	on	
2.1 Classification of the substan Classification according to Regulat	<u>ce or mixture</u> ion (EC) No 1272/2008	
2.1 Classification of the substan Classification according to Regulat Aquatic Chronic 3 H412 Harmful to	ce or mixture	
2.1 Classification of the substan Classification according to Regulat Aquatic Chronic 3 H412 Harmful to 2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 Hazard pictograms	<u>ce or mixture</u> ion (EC) No 1272/2008	e CLP regulation.
2.1 Classification of the substan Classification according to Regulat Aquatic Chronic 3 H412 Harmful to 2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 Hazard pictograms Signal word Hazard-determining components o labelling:	<u>ce or mixture</u> <u>ion (EC) No 1272/2008</u> o aquatic life with long lasting effects. The product is classified and labelled according to the Void Void <u>of</u> Not applicable.	e CLP regulation.
2.1 Classification of the substan Classification according to Regulat Aquatic Chronic 3 H412 Harmful to 2.2 Label elements Labelling according to Regulation	ce or mixture fion (EC) No 1272/2008 o aquatic life with long lasting effects. The product is classified and labelled according to the Void Void f Not applicable. H412 Harmful to aquatic life with long lasting effects. P101 If medical advice is needed, have product conta P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P273 Avoid release to the environment. P501 Dispose of contents/container in accordance	ainer or label at hand.
2.1 Classification of the substan Classification according to Regulat Aquatic Chronic 3 H412 Harmful to 2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 Hazard pictograms Signal word Hazard-determining components o labelling: Hazard statements Precautionary statements 2.3 Other hazards	 <u>ce or mixture</u> <u>tion (EC) No 1272/2008</u> o aquatic life with long lasting effects. The product is classified and labelled according to the Void Void <u>f</u> Not applicable. H412 Harmful to aquatic life with long lasting effects. P101 If medical advice is needed, have product conta P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P273 Avoid release to the environment. P501 Dispose of contents/container in accordance international regulations. 	ainer or label at hand.
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SECTION 3: Composition/info	rmation on ingredients		
• 3.2 Mixtures • Description:	Mixture: consisting of the following compone	ents.	
· Dangerous components:			
	(2-ethylhexyl)fumarate	Aquatic Chronic 2, H411	<10%
· Additional information:	For the wording of the listed hazard phrases	refer to section 16.	
SECTION 4: First aid measure • <u>4.1 Description of first aid mea</u> • <u>General information:</u> • <u>After inhalation:</u> • <u>After skin contact:</u> • <u>After eye contact:</u>		omplaints.	
After swallowing: 4.2 Most important symptoms and effects, both acute and delayed	Headache	iter.	
	Dizziness Nausea		
• 4.3 Indication of any immediat medical attention and special treatment needed	t <u>e</u> If swallowed, gastric irrigation with added, a	ctivated carbon.	
SECTION 5: Firefighting meas	ures		
• 5.1 Extinguishing media • Suitable extinguishing agents:	CO2, powder or water spray. Fight large resistant foam.	er fires with water spray o	r alcohol
 <u>5.2 Special hazards arising fro</u> the substance or mixture 	<u>om</u> Formation of toxic gases is possible during l In case of fire, the following can be released Carbon monoxide (CO) Under certain fire conditions, traces of other	l:	ıded.
 <u>5.3 Advice for firefighters</u> <u>Protective equipment:</u> 	Wear self-contained respiratory protective d Do not inhale explosion gases or combustio Wear fully protective suit.		
SECTION 6: Accidental releas	e measures		
6.1 Personal precautions, protective equipment and			
emergency procedures	Ensure adequate ventilation	a offecte of fumee/dust/corres	
• 6.2 Environmental precaution	Inform respective authorities in case of se system.	m or any water course. eepage into water course o	
	Do not allow to enter sewers/ surface or gro		on page 3)



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ade name: Colourin	g Pastes for Marl	ole Filler	
			(Contd. of page
6.3 Methods and m containment and c	leaning up: A	bsorb with liquid-binding material (sand, diato nders, sawdust).	omite, acid binders, univers
6.4 Reference to ot	ther sections So So	o dangerous substances are released. ee Section 7 for information on safe handling. ee Section 8 for information on personal protection ee Section 13 for disposal information.	on equipment.
SECTION 7: Handl	ing and storage		
7.1 Precautions for	r safe		
handling	U	eep receptacles tightly sealed. se only in well ventilated areas. o special measures required.	
Information about fir	re - and	o special medoares required.	
explosion protection	<u>i:</u> Ne	o special measures required.	
	safe storage, inc	luding any incompatibilities	
Storage: Requirements to be storerooms and reco	eptacles: St	tore only in the original receptacle. revent any seepage into the ground.	
Information about st common storage fac	cility: St	tore away from oxidising agents. tore away from foodstuffs.	
Further information conditions: Storage class:	about storage	rotect from frost.	
7.3 Specific end us		o further relevant information available.	
SECTION 8: Expose 8.1 Control parame Ingredients with limi require monitoring a workplace:	eters t values that tthe TI	sonal protection ne product does not contain any relevant quar alues that have to be monitored at the workplace.	
DNELs			
141-02-6 bis(2-ethy	• •		
	angzeit-wiederhol		
) 292 mg/m³ Air (ARB)	
Inhalative DNEL (La			
Inhalative DNEL (La PNECs	(hov)()fumarato		
Inhalative DNEL (La PNECs 141-02-6 bis(2-ethy			
InhalativeDNEL (LaPNECs141-02-6 bis(2-ethyPNEC (wässrig)1.1	1 mg/l (KA)		
Inhalative DNEL (Lagentication of the second s			
Inhalative DNEL (Lagentication PNECs 141-02-6 bis(2-ethy PNEC (wässrig) 1.1 0.0 1 r	1 mg/l (KA) 003 mg/l (SW)	ew (SWS)	
Inhalative DNEL (Lagentication PNECs 141-02-6 bis(2-ethy PNEC (wässrig) 1.1 0.0 1 r	1 mg/l (KA) 003 mg/l (SW) ng/l (WAS) 2 mg/kg Trockenge	ew (SWS) ne lists valid during the making were used as bas	sis.
Inhalative DNEL (La PNECs 141-02-6 bis(2-ethy PNEC (wässrig) 1.1 PNEC (rest) 3.2 Additional information 4.1 Appropriate engineer 0.0	1 mg/l (KA) 003 mg/l (SW) ng/l (WAS) 2 mg/kg Trockenge on: Th rols ering controls Ne	ne lists valid during the making were used as bas o further data; see section 7.	sis.
Inhalative DNEL (La PNECs 141-02-6 bis(2-ethy PNEC (wässrig) 1.1 PNEC (rest) 3.2 Additional information 4.1 Appropriate engineer 0.0	1 mg/l (KA) 003 mg/l (SW) mg/l (WAS) 2 mg/kg Trockenge 2 mg/kg Trockenge 5 mg/kg Tro	ne lists valid during the making were used as bas	sis.



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	Use skin protection cream for skin protection.
Despiratory protection:	Clean skin thoroughly immediately after handling the product.
· <u>Respiratory protection:</u>	Short term filter device: Filter A/P2
· Hand protection	Preventive skin protection by use of skin-protecting agents is recommended.
Tiand protection	After use of gloves apply skin-cleaning agents and skin cosmetics.
	Skin protection agent recommendation for preventive skin shelter without use of
	protective gloves:
	STOKO EMULSION (http://www.stoko.com)
	ARRETIL (http://www.stoko.com)
	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)
	SOLOPOL (http://www.stoko.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).
	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
	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 \leq 3, 120 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:	Butoject (KCL, Art_No. 897, 898)
. As protection from enlashes clause	Butyl rubber, BR
 As protection from splashes gloves made of the following materials are 	
suitable:	Butoject (KCL, Art_No. 897, 898)
	Nitrile rubber, NBR
	Camatril (KCL, 730, 731, 732, 733)
	Chloroprene rubber, CR
	Camapren (KCL, Art_No. 720, 722, 726)
	Butoject (KCL, Art_No. 897, 898)
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· Flammable liquids	Void	
· Flammable solids	Void	
· Self-reactive substances and mixtu	Jres	
	Void	
 Pyrophoric liquids 	Void	
 Pyrophoric solids 	Void	
 Self-heating substances and mixtu 		
	Void	
· Substances and mixtures, which	emit flammable	
gases in contact with water		
.	Void	
· Oxidising liquids	Void	
• Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	
SECTION 10: Stability and reacti	ivity	
· 10.1 Reactivity	No further relevant information available.	
10.2 Chemical stability		
· Thermal decomposition /		
conditions to be avoided:	No decomposition if used and stored according to specifications.	
10.3 Possibility of hazardous		
reactions	Exothermic polymerisation.	
	Reacts with acids.	
	Reacts with strong alkali.	
	Reacts with strong oxidising agents.	
 <u>10.4 Conditions to avoid</u> 	No further relevant information available.	
<u>10.5 Incompatible materials:</u>	No further relevant information available.	
10.6 Hazardous decomposition		
products:	Carbon monoxide and carbon dioxide	

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

· LD/LC50 values relevant for classification:				
141-02-6 bis(2-ethylhexyl)fumarate				
Oral	LD50	29,200 mg	ı/kg (rat)	
	NOAEL-Werte	≥1,000 mg	y/kg (rat)	
Dermal	LD50	18,840 mg	ı/kg (rabbit)	
· Skin cor	rosion/irritation		Based on available data, the classification criteria are not met.	
	eye damage/irri		Based on available data, the classification criteria are not met.	
· Respira	tory or skin sens	sitisation	Based on available data, the classification criteria are not met.	
· Germ ce	ell mutagenicity		Based on available data, the classification criteria are not met.	
· Carcino	genicity		Based on available data, the classification criteria are not met.	
· Reprodu	uctive toxicity		Based on available data, the classification criteria are not met.	
· STOT-s	ingle exposure		Based on available data, the classification criteria are not met.	
· STOT-r	epeated exposu	re	Based on available data, the classification criteria are not met.	
 Aspiration 	on hazard		Based on available data, the classification criteria are not met.	
				(Contd. on page 7)



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· 11.2 Information on other hazards

 <u>Endocrine disrupting properties</u> None of the ingredients is listed.

SECTION 12: Ecological information

· <u>12.1 Toxicity</u>		
· Aquatic toxicity:		
141-02-6 bis(2-ethylhexyl)fumarate		
NOEC 0.76 mg/kg (daphnia magna)		
0.3 mg/kg (piscis)		
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.	
12.5 Results of PBT and vPvB as	ssessment	
· PBT:	Not applicable.	
· vPvB:	Not applicable.	
12.6 Endocrine disrupting		
properties	The product does not contain substances with endocrine disrupting properties.	
12.7 Other adverse effects		
 Additional 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 (German Regulation) (Self-assessment): slightly hazardous for water	

SECTION 13: Disposal considerations

· <u>13.1 Waste treatment methods</u> · <u>Recommendation</u>

<u>Recommendation</u>
 Must be specially treated adhering to official regulations.
 Smaller quantities can be disposed of with household waste.
 European waste catalogue

· European	waste catalogue		
20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND 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		
 <u>Uncleaned packaging:</u> <u>Recommendation:</u> <u>Recommended cleansing agents:</u> <u>Recommended cleansing agents:</u> 			
SECTION 14: Transport information			
· 14.1 UN n	umber or ID number		
· ADR, ADN	I, IMDG, IATA	Void	
	roper shipping name N, IMDG, IATA	Void	
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• 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
Class	Void
 <u>14.4 Packing group</u> 	
· <u>ADR, IMDG, IATA</u>	Void
14.5 Environmental hazards:	
· Marine pollutant:	No
• 14.6 Special precautions for user	Not applicable.
• 14.7 Maritime transport in bulk accord	
instruments	Not applicable.
· <u>Transport/Additional information:</u>	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void
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	e of the ingredients is listed.
· REGULATION (EC) No 1907/2006	
	ditions of restriction: 3
equipment – Annex II	n of the use of certain hazardous substances in electrical and electronic
None of the ingredients is listed.	
· REGULATION (EU) 2019/1148	
Annex I - RESTRICTED EXPLOSIVES F	PRECURSORS (Upper limit value for the purpose of licensing under Article
<u>5(3))</u>	
None of the ingredients is listed.	
· Annex II - REPORTABLE EXPLOSIVES	PRECURSORS
None of the ingredients is listed.	
Regulation (EC) No 273/2004 on drug pr	ecursors
None of the ingredients is listed.	
	n rules for the monitoring of trade between the Community and third
countries in drug precursors	
None of the ingredients is listed.	
· National regulations:	
· Information about limitation of use: Emp	loyment restrictions concerning juveniles must be observed.
	er hazard class 1 (Self-assessment): slightly hazardous for water.
Substances of very high concern (SVHC	, , , ,
None of the ingredients is listed.	
· VOC EU 0.0 g	
15.2 Chemical safety	
assessment: A Ch	nemical Safety Assessment has not been carried out.



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product features and shall not est	present knowledge. However, this shall not constitute a guarantee for any specific ablish a legally valid contractual relationship. npliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation
 Department issuing SDS: Date of previous version: Version number of previous version: Abbreviations and acronyms: 	Laboratory 20.12.2022 3 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 Organisation ADR: Accord relatif au transport international 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 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) L50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPVB: very Persistent and very Bioaccumulative 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 2