AKEMI®

inting date 22.03.2018	Version number 2	Revision: 22.03.2018
SECTION 1: Identification of the	substance/mixture and of the company/undertakir	าต
· 1.1 Product identifier		.9
• Trade name:	Basic Crystallizer AK 1	
· Article number:	10847, 10982 / 10986	
• <u>1.2 Relevant identified uses of</u> the substance or mixture and		
uses advised against	No further relevant information available.	
<u>Application of the substance / the</u> mixture	Surface protection	
\cdot 1.3 Details of the supplier of the	•	
• 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 technis Tel. +49(0)911-64296-59	sche Spezialfabrik GmbH
	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	on	
SECTION 2: Hazards identification • 2.1 Classification of the substan • Classification according to Regulat GHS07	on ice or mixture	
• 2.1 Classification of the substan • Classification according to Regulat GHS07	on Ice or mixture tion (EC) No 1272/2008	
• 2.1 Classification of the substan • Classification according to Regulat • GHS07 • Acute Tox. 4 H302 Harmful if swa	on Ice or mixture tion (EC) No 1272/2008	
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EINECS: 241-022-2 Index number: 009-018-00-3 Additional information: For the wording of the listed hazard phrases refer to section 16. SECTION 4: First aid measures Immediately remove any clothing solled by the product. Symptoms of poisoning may even occur after several hours; therefore me observation for at least 48 hours after the accident. In case of inregular breathing or respiratory arrest provide artificial respiration Supply fresh air. If required, provide artificial respiration. Keep patient w Consult doctri f symptoms persist. In case of unconsciousness place patient stably in side position transportation. Seek immediately medical advice. After skin contact: After skin contact: Rub in Ca-gluconate solution or Ca-gluconate gel immediately. Seek immediately wash with water and soap and rinse thoroughly. After swallowing: After swallowing: Do not induce vomiting; call for medical help immediately. Rinse out mouth and then drink plenty of water. Call for a doctor immediately. Also further relevant information available. 4.2 Most important symptoms and effects, both acute and delayed 3.3 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: 5.2 Special hazards arising from the substance or mixture CO2, powder or water spray. Fight larger fires with water spray or alk resistant foam. Use fire extinguishing methods suitable to surrounding conditions. 5.2 Special hazards arising from the substance or mixture Under certain fire conditions, traces of other toxic gases cannot be exc	Thing date 22.03.2010		Version number 2		22.03.20
P501 Dispose of contents/container in accordance with local/reginational/international regulations. Results of PBT and vPvB assessment PBT: PBT: Not applicable. VPVB: Not applicable. SECTION 3: Composition/information on ingredients 3.2 Chemical characterisation: Mixture of substances listed below with nonhazardous additions. Dangerous components: CAS: 1897:26-6-0 CAS: 1897:26-6-0 magnesium hexafluorosilicate EINECS: 241-022-2 Index number: 009-018-00-3 Additional information: For the wording of the listed hazard phrases refer to section 16. SECTION 4: First aid measures Immediately remove any clothing solied by the product. General information: Immediately remove any clothing solied by the product. Mater inhalation: Supply fresh air. If required, provide artificial respiration artificial respiration. After inhalation: Stept (mediate medical advice. After eye contact: Ruis expende ye for several minutes under running water. Then const doctor. After eye contact: Ruis expende ye for several minutes under running water. Then const doctor. After skin contact: No further relevant information available. After eye contact: Ruis expende ye for several minutes under running water. Then const doctor.	de name: Basic Crystallizer /	\K 1			
Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. SECTION 3: Composition/Information on Ingredients 3.2 Chemical characterisation: Mixtures Description: Mixture of substances listed below with nonhazardous additions. Dangerous components: magnesium hexafluorosilicate CAS: 18972-56-0 magnesium hexafluorosilicate EINECS: 241-022-2 magnesium hexafluorosilicate Index number: 009-018-00-3 For the wording of the listed hazard phrases refer to section 16. SECTION 4: First aid measures Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore me observation for at least 48 hours after the accident. In case of irregular breathing or repriratory arrest provide artificial respiration. After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient w consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position transportation. Seek immediate solution or Ca-gluconate gel immediately. Seek immediate medical advice. Rub in Ca-gluconate solution or Ca-gluconate gel immediately. After eye contact: Rive opened eye for several minutes under running water. Then considered wash with water and soap and rinse thoroughy. After eye contact:		P501		ntainer in accordance with loca	
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VFVB: 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: 18872-66-0 EINECS: 241-022-2 Imagnesium hexafluorosilicate Index number: 009-018-00-3 Additional information: For the wording of the listed hazard phrases refer to section 16. SECTION 4: First aid measures General information: General information: Section 4: First aid measures General information: Supply fresh air. If required, provide artificial respiratory arrest provide artificial respiratory					
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ade name: Basic Crystallizer AK 1		
· Additional information	Do not inhale explosion gases or combustion gases Wear fully protective suit. Collect contaminated fire fighting water separately. system.	
SECTION 6: Accidental release r	neasures	
 <u>6.1 Personal precautions</u>, protective equipment and 		
emergency procedures	Wear protective equipment. Keep unprotected perso	ons away.
• 6.2 Environmental precautions:	Ensure adequate ventilation Do not allow product to reach sewage system or any Inform respective authorities in case of seepage is system.	y water course.
	Dilute with plenty of water. Do not allow to enter sewers/ surface or ground wat	er
· 6.3 Methods and material for	, i i i i i i i i i i i i i i i i i i i	
containment and cleaning up:	Absorb with liquid-binding material (sand, diatom binders, sawdust). Dispose contaminated material as waste according Ensure adequate ventilation.	
<u>6.4 Reference to other sections</u>	See Section 7 for information on safe handling. See Section 8 for information on personal protection See Section 13 for disposal information.	equipment.
SECTION 7: Handling and storage	ge	
• 7.1 Precautions for safe		
handling	Keep receptacles tightly sealed.	
	Ensure good ventilation/exhaustion at the workplace Store in cool, dry place in tightly closed receptacles. Prevent formation of aerosols.	
Information about fire - and explosion protection:	Store in cool, dry place in tightly closed receptacles.	
 explosion protection: 7.2 Conditions for safe storage, 	Store in cool, dry place in tightly closed receptacles. Prevent formation of aerosols. The product is not flammable. No special measures required.	
 explosion protection: 7.2 Conditions for safe storage, Storage: Requirements to be met by storerooms and receptacles: 	Store in cool, dry place in tightly closed receptacles. Prevent formation of aerosols. The product is not flammable. No special measures required.	
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explosion protection: • 7.2 Conditions for safe storage, • Storage: • Requirements to be met by storerooms and receptacles: • Information about storage in one common storage facility: • Further information about storage conditions: • Storage class: • 7.3 Specific end use(s)	Store in cool, dry place in tightly closed receptacles. Prevent formation of aerosols. The product is not flammable. No special measures required. including any incompatibilities Prevent any seepage into the ground. Store away from foodstuffs. None. 12 No further relevant information available.	
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explosion protection: • 7.2 Conditions for safe storage, • Storage: • Requirements to be met by storerooms and receptacles: • Information about storage in one common storage facility: • Further information about storage conditions: • Storage class: • 7.3 Specific end use(s)	Store in cool, dry place in tightly closed receptacles. Prevent formation of aerosols. The product is not flammable. No special measures required. including any incompatibilities Prevent any seepage into the ground. Store away from foodstuffs. None. 12 No further relevant information available.	
 explosion protection: 7.2 Conditions for safe storage, Storage: Requirements to be met by storerooms and receptacles: Information about storage in one common storage facility: Further information about storage conditions: Storage class: 7.3 Specific end use(s) SECTION 8: Exposure controls/g Additional information about design of technical facilities: 8.1 Control parameters 	Store in cool, dry place in tightly closed receptacles. Prevent formation of aerosols. The product is not flammable. No special measures required. including any incompatibilities Prevent any seepage into the ground. Store away from foodstuffs. None. 12 No further relevant information available.	
explosion protection: • 7.2 Conditions for safe storage, • Storage: • Requirements to be met by storerooms and receptacles: • Information about storage in one common storage facility: • Further information about storage conditions: • Storage class: • 7.3 Specific end use(s) SECTION 8: Exposure controls/g • Additional information about design of technical facilities: • 8.1 Control parameters • Ingredients with limit values that re	Store in cool, dry place in tightly closed receptacles. Prevent formation of aerosols. The product is not flammable. No special measures required. including any incompatibilities Prevent any seepage into the ground. Store away from foodstuffs. None. 12 No further relevant information available. Dersonal protection No further data; see item 7.	
 explosion protection: 7.2 Conditions for safe storage, Storage: Requirements to be met by storerooms and receptacles: Information about storage in one common storage facility: Further information about storage conditions: Storage class: 7.3 Specific end use(s) SECTION 8: Exposure controls/g Additional information about design of technical facilities: 8.1 Control parameters 	Store in cool, dry place in tightly closed receptacles. Prevent formation of aerosols. The product is not flammable. No special measures required. including any incompatibilities Prevent any seepage into the ground. Store away from foodstuffs. None. 12 No further relevant information available. Dersonal protection No further data; see item 7.	



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Trade name: Basic Crystallizer AK 1

Trade name: Basic Crystallizer AK 1	
Additional information:	(Contd. of page 3) The lists valid during the making were used as basis.
 <u>8.2 Exposure controls</u> Personal protective equipment: General protective and hygienic 	
measures:	Do not eat, drink, smoke or sniff while working. 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.
<u> Respiratory protection:</u> <u> Protection of hands:</u>	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. 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
	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 	Nitrile rubber, NBR Chloroprene rubber, CR 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 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: 	
<u>suitable.</u>	Camatril (KCL, Art_No. 730, 731, 732, 733) Dermatril (Art_No. 740, 741, 742) Chloroprene rubber, CR Camapren (KCL, Art_No. 720, 722, 726) Butyl rubber, BR Butoject (KCL, Art_No. 897, 898)
 As protection from splashes gloves made of the following materials are 	
suitable:	Nitrile rubber, NBR (Contd. on page 5)

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rade name: Basic Crystallizer Al	K 1	
 Not suitable are gloves made of the following materials: 	Camatril (KCL, 730, 731, 732, 733) Dermatril (KCL, Art_No. 740, 741, 742) Chloroprene rubber, CR Camapren (KCL, Art_No. 720, 722, 726) Leather gloves Strong material gloves Safety glasses	(Contd. of page
 Eye protection: Body protection: 	Goggles recommended during refilling Protective work clothing	
SECTION 9: Physical and che	mical properties	
• 9.1 Information on basic phys	ical and chemical properties	
General Information <u>Appearance:</u> <u>Form:</u> <u>Colour:</u> Odour:	Liquid Blue Odourless	
· pH-value at 20 °C:	3	
Change in condition Melting point/freezing point: Initial boiling point and boiling	Undetermined. range: 100 °C	
· Flash point:	Not applicable.	
· Decomposition temperature:	120 °C	
· Auto-ignition temperature:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazar	[.] d.
 Vapour pressure at 20 °C: 	23 hPa	
Density at 20 °C:	1.1 g/cm ³	
<u>Solubility in / Miscibility with</u> <u>water:</u>	Fully miscible.	
• <u>Viscosity:</u> <u>Dynamic:</u>	Not determined. Not applicable	
Kinematic:	Not determined. Not applicable	
<u>Solvent content:</u> <u>Organic solvents:</u> <u>Water:</u>	0.0 % 88.0 %	
Solids content: • 9.2 Other information	0.4 % No further relevant information available.	

SECTION 10: Stability and reactivity

 <u>10.1 Reactivity</u> 10.2 Chemical stability 	No further relevant information available.	
Thermal decomposition / conditions to be avoided: 10.3 Possibility of hazardous	No decomposition if used according to specifications.	
reactions • 10.4 Conditions to avoid	Reacts with alkali (lyes). No further relevant information available.	

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<u>10.5 Incompatible materials:</u> <u>10.6 Hazardous decomposition</u> products:	No further relevant information available. Hydrogen fluoride	(Contd. of page
	Irritant gases/vapours	
SECTION 11: Toxicological infor	mation	
· 11.1 Information on toxicologica		
· Acute toxicity	Harmful if swallowed.	
LD/LC50 values relevant for classi	fication:	
ATE (Acute Toxicity Estimates)		
Oral LD50 837 mg/kg		
18972-56-0 magnesium hexafluc	prosilicate	
Oral LD50 100 mg/kg (ATE)		
Primary irritant effect:		
· Skin corrosion/irritation	Based on available data, the classification criteria	
Serious eye damage/irritation	Based on available data, the classification criteria	
<u>Respiratory or skin sensitisation</u> <u>CMP affects (apreinagenity, mutae</u>	Based on available data, the classification criteria	a are not met.
Germ cell mutagenicity	jenicity and toxicity for reproduction) Based on available data, the classification criteria	a are not met
Carcinogenicity	Based on available data, the classification criteria	
Reproductive toxicity	Based on available data, the classification criteria	
· STOT-single exposure	Based on available data, the classification criteria	
	Based on available data, the classification criteria	
STOT-repeated exposure		
STOT-repeated exposure Aspiration hazard SECTION 12: Ecological information	Based on available data, the classification criteria	
Aspiration hazard SECTION 12: Ecological informa <u>12.1 Toxicity</u> Aquatic toxicity: <u>12.2 Persistence and</u> <u>degradability</u> <u>12.3 Bioaccumulative potential</u>	Based on available data, the classification criteriantion No further relevant information available. No further relevant information available. No further relevant information available.	
Aspiration hazard SECTION 12: Ecological informa <u>12.1 Toxicity</u> Aquatic toxicity: <u>12.2 Persistence and</u> <u>degradability</u> <u>12.3 Bioaccumulative potential</u> <u>12.4 Mobility in soil</u>	Based on available data, the classification criteriantion No further relevant information available. No further relevant information available.	
 Aspiration hazard SECTION 12: Ecological information 12.1 Toxicity Aquatic toxicity: 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil Additional ecological information: 	Based on available data, the classification criteriantion No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available.	a are not met.
Aspiration hazard SECTION 12: Ecological informa <u>12.1 Toxicity</u> Aquatic toxicity: <u>12.2 Persistence and</u> <u>degradability</u> <u>12.3 Bioaccumulative potential</u> <u>12.4 Mobility in soil</u>	Based on available data, the classification criteriantion No further relevant information available. No further relevant information available. No further relevant information available.	a are not met. er course or sewage system.
 Aspiration hazard SECTION 12: Ecological information 12.1 Toxicity Aquatic toxicity: 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil Additional ecological information: 	Based on available data, the classification criteria ation No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available. Do not allow product to reach ground water, water Water hazard class 1 (German Regulation) hazardous for water Do not allow undiluted product or large quantitie water course or sewage system.	a are not met. er course or sewage system.) (Self-assessment): slight
Aspiration hazard SECTION 12: Ecological informa <u>12.1 Toxicity</u> Aquatic toxicity: <u>12.2 Persistence and</u> <u>degradability</u> <u>12.3 Bioaccumulative potential</u> <u>12.4 Mobility in soil</u> Additional ecological information: General notes:	Based on available data, the classification criteria ation No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available. Do not allow product to reach ground water, water Water hazard class 1 (German Regulation) hazardous for water Do not allow undiluted product or large quantities water course or sewage system. Avoid transfer into the environment.	a are not met. er course or sewage system.) (Self-assessment): slight
 Aspiration hazard SECTION 12: Ecological information 12.1 Toxicity Aquatic toxicity: 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil Additional ecological information: 	Based on available data, the classification criteria ation No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available. Do not allow product to reach ground water, water Water hazard class 1 (German Regulation) hazardous for water Do not allow undiluted product or large quantities water course or sewage system. Avoid transfer into the environment.	a are not met. er course or sewage system.) (Self-assessment): slight
Aspiration hazard SECTION 12: Ecological informa 12.1 Toxicity Aquatic toxicity: 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil Additional ecological information: General notes: 12.5 Results of PBT and vPvB as PBT: vPvB:	Based on available data, the classification criteria ation No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available. Do not allow product to reach ground water, water Water hazard class 1 (German Regulation) hazardous for water Do not allow undiluted product or large quantitie water course or sewage system. Avoid transfer into the environment. sessment Not applicable. Not applicable.	a are not met. er course or sewage system.) (Self-assessment): slight
Aspiration hazard SECTION 12: Ecological informa <u>12.1 Toxicity</u> Aquatic toxicity: <u>12.2 Persistence and</u> <u>degradability</u> <u>12.3 Bioaccumulative potential</u> <u>12.4 Mobility in soil</u> Additional ecological information: General notes: <u>12.5 Results of PBT and vPvB as</u> PBT:	Based on available data, the classification criteria ation No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available. Do not allow product to reach ground water, water Water hazard class 1 (German Regulation) hazardous for water Do not allow undiluted product or large quantitie water course or sewage system. Avoid transfer into the environment. sessment Not applicable.	a are not met. er course or sewage system.) (Self-assessment): slight
Aspiration hazard SECTION 12: Ecological informa 12.1 Toxicity Aquatic toxicity: 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil Additional ecological information: General notes: 12.5 Results of PBT and vPvB as PBT: vPvB: 12.6 Other adverse effects	Based on available data, the classification criteria ation No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available. Do not allow product to reach ground water, water Water hazard class 1 (German Regulation) hazardous for water Do not allow undiluted product or large quantities water course or sewage system. Avoid transfer into the environment. Seessment Not applicable. Not applicable. No further relevant information available.	a are not met. er course or sewage system.) (Self-assessment): slight
 Aspiration hazard SECTION 12: Ecological information: 12.1 Toxicity Aquatic toxicity: 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil Additional ecological information: General notes: 12.5 Results of PBT and vPvB as PBT: vPvB: 12.6 Other adverse effects SECTION 13: Disposal consideration: 	Based on available data, the classification criteria ation No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available. Do not allow product to reach ground water, water Water hazard class 1 (German Regulation) hazardous for water Do not allow undiluted product or large quantities water course or sewage system. Avoid transfer into the environment. Seessment Not applicable. Not applicable. No further relevant information available.	a are not met. er course or sewage system.) (Self-assessment): slight
 Aspiration hazard SECTION 12: Ecological information: 12.1 Toxicity Aquatic toxicity: 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil Additional ecological information: General notes: 12.5 Results of PBT and vPvB as PBT: vPvB: 12.6 Other adverse effects SECTION 13: Disposal consideration: 	Based on available data, the classification criteriant ation No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available. Do not allow product to reach ground water, water Water hazard class 1 (German Regulation) hazardous for water Do not allow undiluted product or large quantities water course or sewage system. Avoid transfer into the environment. Seessment Not applicable. No further relevant information available.	a are not met. er course or sewage system.) (Self-assessment): slight ies of it to reach ground wate
 Aspiration hazard SECTION 12: Ecological information: 12.1 Toxicity Aquatic toxicity: 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil Additional ecological information: General notes: 12.5 Results of PBT and vPvB ast PBT: vPvB: 12.6 Other adverse effects SECTION 13: Disposal consideration: 	Based on available data, the classification criteria ation No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available. Do not allow product to reach ground water, water Water hazard class 1 (German Regulation) hazardous for water Do not allow undiluted product or large quantities water course or sewage system. Avoid transfer into the environment. Seessment Not applicable. Not applicable. No further relevant information available.	a are not met. er course or sewage system.) (Self-assessment): slight ies of it to reach ground wate
 Aspiration hazard SECTION 12: Ecological information: 12.1 Toxicity Aquatic toxicity: 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil Additional ecological information: General notes: • 12.5 Results of PBT and vPvB as PBT: vPvB: 12.6 Other adverse effects SECTION 13: Disposal consideration: Recommendation Uncleaned packaging: 	Based on available data, the classification criteria Ation No further relevant information available. Do not allow product to reach ground water, wate Water hazard class 1 (German Regulation) hazardous for water Do not allow undiluted product or large quantiti water course or sewage system. Avoid transfer into the environment. Seesment Not applicable. No further relevant information available. Must be specially treated adhering to official regu Must be disposed together with household gareach sewage system.	a are not met. er course or sewage system.) (Self-assessment): slight ies of it to reach ground wate lations. arbage. Do not allow product
 Aspiration hazard SECTION 12: Ecological information: Aquatic toxicity: 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil Additional ecological information: General notes: 12.5 Results of PBT and vPvB as PBT: vPvB: 12.6 Other adverse effects SECTION 13: Disposal consideration: Recommendation 	Based on available data, the classification criteriantion No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available. Do not allow product to reach ground water, water Water hazard class 1 (German Regulation) hazardous for water Do not allow undiluted product or large quantitie water course or sewage system. Avoid transfer into the environment. Seessment Not applicable. No further relevant information available. Must be specially treated adhering to official regu Must not be disposed together with household ga	a are not met. er course or sewage system.) (Self-assessment): slight ies of it to reach ground wate lations. arbage. Do not allow product t



Safety data sheet

according to 1907/2006/EC, Article 31

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• Recommended cleansing agents: Water, if necessary together with cleansing agents.

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SECTION 14: Transport information	
· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void
 • 14.2 UN proper shipping name • ADR, ADN, IMDG, IATA 	Void
 <u>14.3 Transport hazard class(es)</u> 	
· <u>ADR, ADN, IMDG, IATA</u> · <u>Class</u>	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 Transport in bulk according to Annex II Marpol and the IBC Code	of Not applicable.
Transport/Additional information:	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 REGULATION (EC) No 1907/2006 ANNEX XVII	None of the ingredients is listed. Conditions of restriction: 3
National regulations:	
Information about limitation of use:	Employment restrictions concerning juveniles must be observed.
Waterhazard class: <u>VOC EU</u> 15.2 Chemical safety	Water hazard class 1 (Self-assessment): slightly hazardous for water. 0.0 g/l
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.

Department issuing SDS: Laboratory	 <u>Relevant phrases</u> 	H301 Toxic if swallowed.	
Contact: Abbreviations and acronyms: Dieter Zimmermann ADR: Accord européen sur le transport des marchandises dangereuses par Route (Europea 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)	· Contact:	Dieter Zimmermann ADR: Accord européen sur le transport des marchandises dangereuses pa 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	r Route (European (Contd. on page 8)

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Trade name: Basic Crystallizer AK 1

	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	(Contd. of page 7)
 * Data compared to the previous 		
version altered.	Adaptation in accordance with REACH directive 1907/2006/EC	GB