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

1.1 Produc	ct identifier
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Trade name

: Basacote® P-Max 6M 17-43-0

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

Use of the Sub- : Fertiliser stance/Mixture

1.3 Details of the supplier of the safety data sheet

Company	:	COMPO EXPERT GmbH Krögerweg 10 D-48155 Münster
Telephone	:	+49 (0) 251 29 79 81 – 000
Telefax	:	+49 (0) 251 29 79 81 - 111
E-mail address of person responsible for the SDS	:	info@compo-expert.com

1.4 Emergency telephone number

GBK GmbH - Global Regulatory Compliance - 24h Telephone:+49 (0) 6132 - 84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



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Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No.	Classification	
	Index-No.		(% w/w)
a a mar a sula h a ta ma a sta h u dua ta	Registration number		0.4 0.05
copper sulphate pentahydrate	7758-99-8	Acute Tox. 4; H302	>= 0,1 - < 0,25
	231-847-6	Eye Dam. 1; H318	
	029-023-00-4	Aquatic Acute 1;	
	01-2119520566-40-	H400	
	XXXX	Aquatic Chronic 1; H410	
		H410	
		M-Factor (Acute	
		aquatic toxicity): 10	
		M-Factor (Chronic	
		aquatic toxicity): 1	
		aquatio toxioity).	
		Acute toxicity esti-	
		mate	
		Acute oral toxicity:	
		482 mg/kg	

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection and use the recommended protective clothing If potential for exposure exists refer to Section 8 for specific personal protective equipment.



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lf i	nhaled	:		ove person into fresh air. ist, call a physician.
In	case of skin contact	:	Wash off with soa	ap and water.
In	case of eye contact	:	and consult a phy	with plenty of water for at least 15 minutes vsician. rsists, consult a specialist.
lf :	swallowed	:	Clean mouth with Obtain medical a	n water and drink afterwards plenty of water. ttention.
4.2 Mo	st important symptoms a	nd e	effects, both acut	e and delayed
Sy	mptoms	:	Ingestion may pro Methaemoglobine	ovoke the following symptoms: emia
4.3 Ind	ication of any immediate	mee	dical attention and	d special treatment needed
Tr	eatment	:	Treat symptomat	ically.
Su	inguishing media nitable extinguishing media nsuitable extinguishing	:		g measures that are appropriate to local cir- the surrounding environment. er jet
	edia		Carbon dioxide (Foam Sand	CÓ2)
5.2 Sp	ecial hazards arising from	n the	e substance or mi	xture
	ecific hazards during fire- hting	:	and vapours.	osition can lead to release of irritating gases off from fire fighting to enter drains or water
Ha uc	azardous combustion prod- ts	:	Nitrogen oxides (Oxides of phosph Sulphur oxides Carbon oxides	,
5.3 Ad	vice for firefighters			
	ecial protective equipment firefighters	:	Wear self-contair essary.	ned breathing apparatus for firefighting if nec-



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Furth	er information	must not b Fire residu be dispose	ntaminated fire extinguishing water separately. This e discharged into drains. es and contaminated fire extinguishing water must ed of in accordance with local regulations. ct itself does not burn.
SECTIO	N 6: Accidental relea	se measures	
6.1 Perso	nal precautions, prote	ctive equipmen	t and emergency procedures
Perso	onal precautions	Avoid cont Wash cont Avoid brea For persor	nal protective equipment. act with skin, eyes and clothing. caminated clothing before re-use. thing dust. nal protection see section 8. al considerations see section 13.
6.2 Enviro	onmental precautions		
Envir	onmental precautions	Prevent fu If the prod	th into surface water or sanitary sewer system. Ther leakage or spillage if safe to do so. Luct contaminates rivers and lakes or drains inform authorities.
6.3 Metho	ods and material for co	ntainment and	cleaning up
Meth	ods for cleaning up	: Pick up an	d transfer to properly labelled containers.
6.4 Refer	ence to other sections		
For perso	nal protection see sectio	n 8., For dispos	al considerations see section 13.
SECTION	N 7: Handling and st	orage	
7.1 Preca	utions for safe handlir	a	
	ce on safe handling	: Avoid cont Wear pers Keep away Keep away Smoking, o plication a	rinse water in accordance with local and national
	ce on protection against nd explosion	: No special	precautions required.
Hygie	ene measures	hands befo	y from food, drink and animal feedingstuffs. Wash pre eating, drinking, or smoking. Wash hands befor h at the end of workday.

breaks and at the end of workday.



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7.2 Conditions for safe storage, including any incompatibilities

	Further information on stor- age conditions	:	Keep away from sources of ignition - No smoking. Keep away from direct sunlight. Protect from moisture.
	Advice on common storage	:	Keep away from combustible materials. Keep away from strong acids. Keep away from strong bases. Keep away from food, drink and animal feedingstuffs.
	Storage class (TRGS 510)	:	11
	Further information on stor- age stability	:	Protect from frost, heat and sunlight.
3	Specific end use(s)		

7.3 Specific end use(s)

Specific use(s) : Not relevant

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis	
copper sulphate pentahydrate	7758-99-8	MAK (measured as the alveolate fraction)	0,01 mg/m3	DE DFG MAK	
	Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed				

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

	· ·	• •	· ·	
Substance name	End Use	Exposure routes	Potential health ef- fects	Value
ammonium sulphate	Workers	Skin contact	Long-term systemic effects	42,667 mg/kg
	Workers	Inhalation	Long-term systemic effects	11,167 mg/m3
	Consumer use	Oral	Long-term systemic effects	6,4 mg/kg
	Consumer use	Skin contact	Long-term systemic effects	12,8 mg/kg
	Consumer use	Inhalation	Long-term systemic effects	1,667 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
ammonium sulphate	Fresh water	0,312 mg/l

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878





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			Marine water	Vrologgo	0,0312 mg/l 0,53 mg/l
			Soil		62,6 mg/kg
			3011		16,12 mg/l
			Fresh water		0,063 mg/kg
8.2 Expos	sure controls				
Perso	onal protective equip	oment			
Eye/fa	ace protection	:	Safety glasses w	rith side-shields conforming to	o EN166
Ma	protection aterial rective	:		d conform to EN 374	
Re	emarks	:		a mixture of several substan materials cannot be calculat sted before use.	
Skin a	and body protection	:	Long sleeved clo	thing	
Resp	iratory protection	:	approved filter.	st or aerosol formation use re d conform to EN 14387	espirator with an
Fil	ter type	:	Filter type P		
Prote	ctive measures	:	practice.	lance with good industrial hyg ted clothing before re-use.	giene and safety

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	solid
Colour	:	green
Odour	:	none
Melting point/range	:	not determined
Boiling point/boiling range	:	not determined
Upper explosion limit / Upper	:	Not applicable

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according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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	flamma	bility limit			
		explosion limit / Lower bility limit	:	Not applicable	
	Flash p	oint	:	Not applicable	
	Auto-ig	nition temperature	:	does not ignite	
	Decom	position temperature	:	> 130 °C	
	рН		:	4,5 - 5,5 (20 °C) Concentration: 1	00 g/l
	Solubili Wat	ty(ies) er solubility	:	soluble	
	Partition octanol	n coefficient: n- /water	:	Not applicable	
	Bulk de	ensity	:	ca. 950 g/cm³	
		characteristics icle Size Distribution	:	D50 = 3 mm ± 0,	4 mm
9.2	Other in Explosi	formation		Not explosive	
			•	·	
	Oxidizir	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Self-ign	ition	:	not auto-flamma	ble

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.



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	nical stability e under normal conditi	ons.		
10.3 Poss	sibility of hazardous r	eactions		
Haza	rdous reactions		nably foreseeable. n release hazardous gases.	
10.4 Cond	ditions to avoid			
Cond	litions to avoid	: Hot surface Direct sour		
10.5 Inco	mpatible materials			
Mate	rials to avoid	: Strong bas Organic ma Powdered i	iterials	
10.6 Haza	rdous decompositio	n products		
Haza produ	rdous decomposition ucts	: Nitrogen ox Oxides of p Sulphur oxi ammonia	hosphorus	

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.

Components:

copper sulphate pentahydrate:

Acute oral toxicity	LD50 (Rat): 482 mg/kg Assessment: Harmful if swallowed.
Acute inhalation toxicity	Assessment: The substance or mixture has no acute inhala- tion toxicity
Acute dermal toxicity	Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

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

Components:

copper sulphate pentahydrate:

Assessment : No skin irritation





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	us eye damage/eye irri		
	d on available data, the o	classification criteria a	are not met.
<u>Com</u>	ponents:		
сорр	er sulphate pentahydra		
Asses	ssment	: Risk of serious of	damage to eyes.
Resp	iratory or skin sensitis	ation	
-	sensitisation d on available data, the o	laccification critoria (are not mot
	-		are not met.
-	iratory sensitisation d on available data, the c	lassification criteria a	are not met
	oonents:		
		4	
	er sulphate pentahydra ssment		skin sensitisation.
7336	Somerit		
Asses	ssment	: Does not cause	respiratory sensitisation.
	a cell mutagenicity d on available data, the o	classification criteria a	are not met.
<u>Com</u>	oonents:		
copp	er sulphate pentahydra	ite:	
	cell mutagenicity- As-		nce does not support classification as a germ
Carci	nogenicity		
Base	d on available data, the o	classification criteria a	are not met.
<u>Com</u>	ponents:		
сорр	er sulphate pentahydra	ite:	
Carci ment	nogenicity - Assess-	: Not classifiable	as a human carcinogen.
Repr	oductive toxicity		
Base	d on available data, the o	classification criteria a	are not met.
<u>Com</u>	ponents:		
сорр	er sulphate pentahydra	ite:	
Repro sessr	oductive toxicity - As- nent	: No toxicity to rep	production
		No effects on or	via lactation



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STOT - single exposure

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

Components:

copper sulphate pentahydrate:

Assessment

: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

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

Components:

copper sulphate pentahydrate:

Assessment

: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration toxicity

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

:

Components:

copper sulphate pentahydrate:

No aspiration toxicity classification

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Components:

copper sulphate pentahydrate:

Toxicity to fish

LC50 (Pimephales promelas (fathead minnow)): 38,4 - 256,2 g/l Exposure time: 96 h



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	ity to daphnia and other iic invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 33,8 - 792 g/l 3 h
M-Fa icity)	ctor (Acute aquatic tox-	:	10	
Toxic icity)	ity to fish (Chronic tox-	:	NOEC: 66 g/l Exposure time: 14	l d
	ity to daphnia and other tic invertebrates (Chron- icity)	:	Exposure time: 21	d magna (Water flea)
M-Fa toxici	ctor (Chronic aquatic ty)	:	1	
	istence and degradabil ata available	ity		
12.3 Bioa	ccumulative potential			
Com	ponents:			
Partit	er sulphate pentahydra ion coefficient: n- ol/water	ite: :	Remarks: Not app	blicable
	lity in soil ata available			
12.5 Resu	llts of PBT and vPvB as	se	ssment	
Prod	uct:			
Asse	ssment	:	to be either persis	ixture contains no components considered stent, bioaccumulative and toxic (PBT), or d very bioaccumulative (vPvB) at levels of
12.6 Endo	ocrine disrupting prope	rtie	S	
Prod	uct:			
Asse	ssment	:	ered to have endo REACH Article 57	xture does not contain components consid- ocrine disrupting properties according to '(f) or Commission Delegated regulation r Commission Regulation (EU) 2018/605 at higher.
	r adverse effects			
No da	ata available			



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SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Product	 Do not flush into surface water or sanitary sewer system. Dispose of in accordance with local regulations. Waste codes should be assigned by the user based on the application for which the product was used.
Contaminated packaging	: Empty remaining contents. Empty containers should be taken to an approved waste han- dling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number or ID number

ADN	:	Not regulated as a dangerous good		
ADR	:	Not regulated as a dangerous good		
RID	:	Not regulated as a dangerous good		
IMDG	:	Not regulated as a dangerous good		
IATA_P	:	Not regulated as a dangerous good		
14.2 UN proper shipping name				
ADN	:	Not regulated as a dangerous good		
ADR	:	Not regulated as a dangerous good		
RID	:	Not regulated as a dangerous good		
IMDG	:	Not regulated as a dangerous good		
IATA_P	:	Not regulated as a dangerous good		
14.3 Transport hazard class(es)				
14.3 Transport hazard class(es) ADN	:	Not regulated as a dangerous good		
,	:	Not regulated as a dangerous good Not regulated as a dangerous good		
ADN	: : :			
ADN ADR	::	Not regulated as a dangerous good		
ADN ADR RID	::	Not regulated as a dangerous good Not regulated as a dangerous good		
ADN ADR RID IMDG	::	Not regulated as a dangerous good Not regulated as a dangerous good Not regulated as a dangerous good		
ADN ADR RID IMDG IATA_P	: : :	Not regulated as a dangerous good Not regulated as a dangerous good Not regulated as a dangerous good		
ADN ADR RID IMDG IATA_P 14.4 Packing group	:::::::::::::::::::::::::::::::::::::::	Not regulated as a dangerous good Not regulated as a dangerous good Not regulated as a dangerous good Not regulated as a dangerous good		
ADN ADR RID IMDG IATA_P 14.4 Packing group ADN	:::::::::::::::::::::::::::::::::::::::	Not regulated as a dangerous good Not regulated as a dangerous good Not regulated as a dangerous good Not regulated as a dangerous good		



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IMDO	6	: Not regulated	l as a dangerous good
ΙΑΤΑ	(Cargo)	: Not regulated as a dangerous good	
ΙΑΤΑ	_P (Passenger)	: Not regulated	l as a dangerous good
	ronmental hazards egulated as a dangero	us good	
	ial precautions for u	ser	
14.7 Marit	time transport in bulk	according to IMO	instruments
Regu MHB	latory basis	: IMSBC Code : no	

SECTION 15: Regulatory information

IMSBC Group

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

: C

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast)	: Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable
Seveso III: Directive 2012/18/EU of the Euro- pean Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	
Water hazard class (Germa- : WGK 1 slightly hazard ny)	dous to water ng to AwSV, Annex 1 (5.2)

15.2 Chemical safety assessment

Not relevant



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SECTION 16: Other information

Full text of H-Statements			
H302	:	Harmful if swallowed.	
H318	:	Causes serious eye damage.	
H400	:	Very toxic to aquatic life.	
H410	:	Very toxic to aquatic life with long lasting effects.	
Full text of other abbreviations			
Acute Tox.	:	Acute toxicity	
Aquatic Acute	:	Short-term (acute) aquatic hazard	
Aquatic Chronic	:	Long-term (chronic) aquatic hazard	
Eye Dam.	:	Serious eye damage	
DE DFG MAK	:	Germany. MAK BAT Annex IIa	
DE DFG MAK / MAK	:	MAK value	

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative





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Further information

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