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





Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	05.12.2024	M0076	Date of first issue: 05.12.2024

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

1.1 Product i	identifier
---------------	------------

Trade name

: Blaukorn® Suprem 21-5-10

#### 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

#### Additional Labelling

EUH210 Safety data sheet available on request.

Further information : German "Hazardous Substances" legislation (Gefahrstoffverordnung) appendix I, No. 5 (Ammonium Nitrate group C III)



## Blaukorn® Suprem 21-5-10

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	05.12.2024	M0076	Date of first issue: 05.12.2024

#### 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.

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

Chemical nature : Inorganic fertiliser

#### Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Registration number		
ammonium nitrate	6484-52-2	Ox. Sol. 3; H272	>= 50 - < 70
	229-347-8	Eye Irrit. 2; H319	
	01-2119490981-27-	2,1010	
	0050		
Ferrous sulfate monohydrate	17375-41-6	Acute Tox. 4; H302	>= 1 - < 10
,	231-753-5	Skin Irrit. 2; H315	
	026-003-00-7	Eye Irrit. 2; H319	
	01-2119513203-57-		
	XXXX	Acute toxicity esti-	
		mate	
		Acute oral toxicity:	
		300,03 mg/kg	
disodium tetraborate pentahydrate		Eye Irrit. 2; H319	>= 0,1 - < 0,3
	215-540-4	Repr. 1B; H360FD	
	005-011-02-9		
	01-2119490790-32-		
	XXXX		

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.

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



ersion .0	Revision Date: 05.12.2024		DS Number: 0076	Date of last issue: - Date of first issue: 05.12.2024
				y data sheet to the doctor in attendance. e victim unattended.
Protec	tion of first-aiders	:	and use the rec	nders should pay attention to self-protection commended protective clothing exposure exists refer to Section 8 for specific tive equipment.
lf inha	led	:		nove person into fresh air. rsist, call a physician.
In cas	e of skin contact	:	Wash off with s	oap and water.
In cas	e of eye contact	:	and consult a p	ly with plenty of water for at least 15 minutes hysician. persists, consult a specialist.
If swa	llowed	:	Clean mouth wi Obtain medical	th water and drink afterwards plenty of water. attention.
. <b>2 Most ir</b> Sympt		:	Ingestion may p Methaemoglobi	provoke the following symptoms: nemia
Sympt	ion of any immediate	: mea	Methaemoglobi	nemia nd special treatment needed
Sympt .3 Indicat Treatn	ion of any immediate	:	Methaemoglobi	nemia nd special treatment needed
Sympt .3 Indicat Treatr SECTION	ion of any immediate	:	Methaemoglobi	nemia nd special treatment needed
Sympt .3 Indicat Treatm SECTION .1 Exting	ion of any immediate nent 5: Firefighting mea	:	Methaemoglobi dical attention a Treat symptoma es Water Dry chemical Water mist Use extinguishi	nemia nd special treatment needed
Sympt .3 Indicat Treatm SECTION .1 Exting Suitab	toms tion of any immediate nent 5: Firefighting measure uishing media ole extinguishing media	:	Methaemoglobi dical attention a Treat symptoma es Water Dry chemical Water mist Use extinguishi	nemia nd special treatment needed atically. ng measures that are appropriate to local cir- d the surrounding environment.
Sympt .3 Indicat Treatm SECTION .1 Exting Suitab Unsuit media	toms tion of any immediate nent 5: Firefighting measure uishing media ole extinguishing media	: sur :	Methaemoglobi dical attention a Treat symptoma es Water Dry chemical Water mist Use extinguishi cumstances an High volume wa Carbon dioxide Foam Sand	nemia nd special treatment needed atically. ng measures that are appropriate to local cir- d the surrounding environment. ater jet (CO2)
Sympt .3 Indicat Treatm SECTION .1 Exting Suitab Unsuit media .2 Specia	ion of any immediate nent 5: Firefighting mea uishing media de extinguishing media table extinguishing media	: sur :	Methaemoglobi dical attention a Treat symptoms es Water Dry chemical Water mist Use extinguishi cumstances an High volume wa Carbon dioxide Foam Sand substance or r Thermal decom and vapours.	nemia nd special treatment needed atically. ng measures that are appropriate to local cir- d the surrounding environment. ater jet (CO2)

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

# Blaukorn® Suprem 21-5-10



Vers 1.0	ion	Revision Date: 05.12.2024		9S Number: 9076	Date of last issue: - Date of first issue: 05.12.2024
	ucts			Oxides of phosph Sulphur oxides	orus
5.3	Advice	for firefighters			
	•	protective equipment ighters	:	Wear self-contain essary.	ed breathing apparatus for firefighting if nec-
	for firefighters Further information		:	must not be disch Fire residues and	contaminated fire extinguishing water must accordance with local regulations.

## **SECTION 6:** Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	<ul> <li>Use personal protective equipment. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before re-use. Avoid breathing dust. For personal protection see section 8. For disposal considerations see section 13.</li> </ul>
----------------------	---

## 6.2 Environmental precautions

Environmental precautions	:	Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
---------------------------	---	--

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Pick up and transfer to properly labelled containers.

#### 6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

#### **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

Advice on safe handling	: Avoid contact with skin and eyes.
	Wear personal protective equipment.
	Keep away from combustible material.
	Keep away from heat and sources of ignition.
	Smoking, eating and drinking should be prohibited in the application area.
	Dispose of rinse water in accordance with local and national regulations.

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

# Blaukorn® Suprem 21-5-10



Versi 1.0	ion	Revision Date: 05.12.2024		DS Number: 0076	Date of last issue: - Date of first issue: 05.12.2024			
		on protection against l explosion	:	No special prec	autions required.			
	Hygiene measures		:	Keep away from food, drink and animal feedingstuffs. Wash hands before eating, drinking, or smoking. Wash hands before breaks and at the end of workday.				
7.2 C	Conditio	ons for safe storage,	inc	luding any inco	mpatibilities			
		information on stor- nditions	:		n sources of ignition - No smoking. Keep away ight. Protect from moisture. Protect from con-			
	Advice	on common storage	:	Keep away from Keep away from	n combustible materials. n strong acids. n strong bases. n food, drink and animal feedingstuffs.			
	Storage	e class (TRGS 510)	:	5.1C				
	Further age sta	information on stor- bility	:	Protect from fro	st, heat and sunlight.			
7.3 S	Specific	end use(s)						
	0	(-)	-	Natural average				

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		
disodium tetra- borate pentahy- drate	12179-04-3	MAK (inhalable fraction)	5 mg/m3	DE DFG MAK		
		nation: Damage to th the BAT value is ob	e embryo or foetus is unlikel <u>y</u> served	/ when the		
		AGW (Inhalable fraction)	0,5 mg/m3 (Borate)	DE TRGS 900		
	Peak-limit: excursion factor (category): 2;(I)					
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child					

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

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
ammonium nitrate	Workers	Inhalation	Long-term systemic	36 mg/m3

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





Version 1.0	Revision Date: 05.12.2024	SDS Num M0076					
				effects			
		Workers	Skin contact	Long-term systemic effects	5,12 mg/kg bw/day		
		Consumers	Ingestion	Long-term systemic effects	2,56 mg/kg bw/day		
		Consumers	Inhalation	Long-term systemic effects	8,9 mg/m3		
		Consumers	Skin contact, Ingestion	Long-term systemic effects	2,56 mg/kg bw/day		
amm	onium 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		
	ium tetraborate hydrate	Workers	Inhalation	Long-term local ef- fects	17,04 mg/m3		
-		Workers	Inhalation	Acute local effects	17,04 mg/m3		
		Workers	Inhalation	Long-term systemic effects	9,8 mg/m3		
		Consumers	Oral	Acute systemic ef- fects	1,15 mg/kg bw/day		
		Consumers	Inhalation	Long-term local ef- fects	3,4 mg/m3		
		Consumers	Oral	Long-term systemic effects	1,15 mg/m3		
		Consumers	Inhalation	Long-term systemic effects	4,9 mg/m3		

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

Substance name	Environmental Compartment	Value
ammonium nitrate	Sewage treatment plant	18 mg/l
ammonium sulphate	Fresh water	0,312 mg/l
	Marine water	0,0312 mg/l
	Intermittent use/release	0,53 mg/l
	Soil	62,6 mg/kg
		16,12 mg/l
	Fresh water	0,063 mg/kg
disodium tetraborate pentahy- drate	Fresh water	2,9 mg/l
	Marine water	2,9 mg/l
	Soil	5,7 mg/l
	Sewage treatment plant	10 mg/l

#### 8.2 Exposure controls

Personal protective equipment

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

# Blaukorn® Suprem 21-5-10



Version 1.0	Revision Date: 05.12.2024		DS Number: 0076	Date of last issue: - Date of first issue: 05.12.2024					
Eye/face protection		:	Safety glasses w	Safety glasses with side-shields conforming to EN166					
Ma	protection aterial rective	:	Gloves Equipment should	d conform to EN 374					
Remarks		:	As the product is a mixture of several substances, the dura- bility of the glove materials cannot be calculated in advance and has to be tested before use.						
Skin a	and body protection	:	Long sleeved clo	thing					
Respiratory protection		:	In the case of dust or aerosol formation use respirator with a approved filter. Equipment should conform to EN 14387						
Filt	ter type	:	Filter type P						
Protec	ctive measures	:	practice.	ance with good industrial hygiene and safety ed clothing before re-use.					

## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Physical state	:	solid
Colour	:	blue
Odour	:	none
Melting point/range	:	not determined
Boiling point/boiling range	:	not determined
Flammability	:	Will not burn
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable

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





Ver 1.0	sion	Revision Date: 05.12.2024		S Number: 0076	Date of last issue: - Date of first issue: 05.12.2024
	Flash p	point	:	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
	Solubil Wat	ity(ies) ter solubility	:	soluble	
	Partitio octano	n coefficient: n- I/water	:	Not applicable	
	Bulk de	ensity	:	1.000 - 1.200 kg	/m³
		e characteristics ticle Size Distribution	:	D50 = 3,2 mm ± Measurement te od	0,4 mm chnique: Optoelectronic measurement meth-
9.2	<b>Other ir</b> Explos	nformation ives	:	Not explosive	
	Oxidizi	ng properties	:	The substance of	r mixture is not classified as oxidizing.
	Self-igr	nition	:	not auto-flamma	ble

### **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

Stable under normal conditions.

#### **10.3 Possibility of hazardous reactions**

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

# Blaukorn® Suprem 21-5-10



Version 1.0	Revision Date: 05.12.2024	SDS Number: M0076	Date of last issue: - Date of first issue: 05.12.2024	
Haza	rdous reactions		ably foreseeable. elease hazardous gases.	
10.4 Con	ditions to avoid			
Conc	litions to avoid	: Hot surface(s Direct source		
10.5 Inco	mpatible materials			
Mate	rials to avoid	: Strong bases Organic mate Powdered me		
10.6 Haza	ardous decomposition	products		
Haza prodi	rdous decomposition ucts	: Nitrogen oxide Oxides of pho Sulphur oxide ammonia	psphorus	

## **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.

### Product:

Acute oral toxicity	:	Acute toxicity estimate: > 2.000 mg/kg
		Method: Calculation method

#### Components:

ammonium nitrate:		
Acute oral toxicity	:	Assessment: The substance or mixture has no acute oral tox- icity
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
Ferrous sulfate monohydrate:	:	
Acute oral toxicity	:	LD50: > 300 - < 2.000 mg/kg Assessment: Harmful if swallowed.
Acute inhalation toxicity	:	Assessment: The substance or mixture has no acute inhala- tion toxicity

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



sion	Revision Date: 05.12.2024		S Number: 076	Date of last issue: - Date of first issue: 05.12.2024
Acute	dermal toxicity	:	Assessment: T toxicity	he substance or mixture has no acute dermal
disod	lium tetraborate pen	tahydr	ate:	
Acute	oral toxicity	:	Assessment: T icity	he substance or mixture has no acute oral tox-
Acute	inhalation toxicity	:	Assessment: T tion toxicity	he substance or mixture has no acute inhala-
Acute	dermal toxicity	:	Assessment: T toxicity	he substance or mixture has no acute dermal
	corrosion/irritation			
Based	d on available data, th	e class	ification criteria	are not met.
Comp	oonents:			
ammo	onium nitrate:			
Asses	ssment	:	No skin irritatio	n
Ferrous sulfate monohydrate:				
Asses	ssment	:	Irritating to skin	
disod	lium tetraborate pen	tahydr	ate:	
Asses	ssment	:	No skin irritatio	n
Serio	us eye damage/eye i	irritatio	on	
Based	d on available data, th	e class	ification criteria	are not met.
Produ	uct:			
Speci	es	:	Rabbit	
Metho		:	OECD Test Gu	
Resul Rema		:	No eye irritation	ו from similar materials
Roma		•	Bused on data	
<u>Comp</u>	oonents:			
ammo	onium nitrate:			
Speci	es	:	Rabbit	
	sure time	:	24 h	
	sment	:	Irritating to eye OECD Test Gu	
Matha	hd hd		OEOD Test Gu	
Metho	od			
	us sulfate monohyd	rate:		

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



Version 1.0	Revision Date: 05.12.2024	SDS Number: M0076	Date of last issue: - Date of first issue: 05.12.2024						
Sp	sodium tetraborate per ecies esult	t <b>ahydrate:</b> : Rabbit : Irritating to	eyes.						
Re	espiratory or skin sensi	itisation							
-	Skin sensitisation Based on available data, the classification criteria are not met.								
Re	sed on available data, the sed on available data, the	I							
<u>Co</u>	omponents:								
	nmonium nitrate:								
As	sessment	: Does not o	ause skin sensitisation.						
As	sessment	: Does not o	ause respiratory sensitisation.						
Fe	rrous sulfate monohyd	Irate:							
As	sessment	: Does not o	ause skin sensitisation.						
As	sessment	: Does not o	ause respiratory sensitisation.						
dis	sodium tetraborate per	tahydrate:							
As	sessment	: Does not o	ause skin sensitisation.						
As	sessment	: Does not c	ause respiratory sensitisation.						
	erm cell mutagenicity sed on available data, th	ne classification cri	teria are not met.						
<u>Co</u>	omponents:								
	nmonium nitrate:								
Ge	enotoxicity in vitro	: Method: O Result: ne	ECD Test Guideline 471 gative						
	erm cell mutagenicity- As ssment	- : Weight of cell mutag	evidence does not support classification as a germ en.						
Fe	rrous sulfate monohyd	Irate:							
	erm cell mutagenicity- As ssment	- : Weight of cell mutag	evidence does not support classification as a germ en.						
dis	sodium tetraborate per	tahydrate:							
Ge	enotoxicity in vitro		In vitro tests did not show mutagenic effects data from similar materials						

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



Version 1.0	Revision Date: 05.12.2024		DS Number: 0076	Date of last issue: - Date of first issue: 05.12.2024
Gern sessi	n cell mutagenicity- As- ment	:	Weight of eviden cell mutagen.	ce does not support classification as a germ
Carc	inogenicity			
Base	d on available data, the	clas	sification criteria a	re not met.
<u>Com</u>	ponents:			
amm	onium nitrate:			
Carci ment	inogenicity - Assess-	:	Not classifiable a	s a human carcinogen.
Ferro	ous sulfate monohydra	te:		
Carci ment	inogenicity - Assess-	:	Not classifiable a	s a human carcinogen.
diso	dium tetraborate penta	hyd	rate:	
Rem	arks	:		d not show any carcinogenic effects. om similar materials
Carci ment	inogenicity - Assess-	:	Not classifiable a	s a human carcinogen.
-	oductive toxicity			
	d on available data, the ponents:	clas	sification criteria a	re not met.
	onium nitrate:			
	oductive toxicity - As-	:	No toxicity to rep	roduction
			No effects on or	via lactation
Ferro	ous sulfate monohydra	te:		
	oductive toxicity - As-		No toxicity to rep	roduction
			No effects on or	via lactation
diso	dium tetraborate penta	hyd	rate:	
	ts on fertility	:	Test Type: repro Species: Rat Application Route	oxic effects and adverse effects on the off-

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



Versic 1.0	on	Revision Date: 05.12.2024		)S Number: )076	Date of last issue: - Date of first issue: 05.12.2024
					vidence of adverse effects on sexual func- nd/or on development, based on animal
	Reprod sessme	uctive toxicity - As- nt	:		adverse effects on sexual function and fertil- elopment, based on animal experiments
				No effects on or v	ia lactation
E	Based o	single exposure on available data, the o	clas	sification criteria ar	e not met.
		<u>nents:</u> ium nitrate:			
	Assess		:	The substance or organ toxicant, sir	mixture is not classified as specific target ngle exposure.
F	errou	s sulfate monohydra	te:		
Δ	lssess	ment	:	The substance or organ toxicant, sir	mixture is not classified as specific target ngle exposure.
d	disodiu	ım tetraborate pental	hyd	rate:	
Δ	lssess	ment	:	The substance or organ toxicant, sir	mixture is not classified as specific target ngle exposure.
		repeated exposure	clas	sification criteria ar	e not met.
<u>c</u>	Compo	nents:			
	ammor Assessi	<b>ium nitrate:</b> ment	:	The substance or organ toxicant, re	mixture is not classified as specific target peated exposure.
F	errou	s sulfate monohydra	te:		
Д	lssess	ment	:	The substance or organ toxicant, re	mixture is not classified as specific target peated exposure.
d	disodiu	ım tetraborate pental	hyd	rate:	
Д	lssess	ment	:	The substance or organ toxicant, re	mixture is not classified as specific target peated exposure.
F	Repeat	ed dose toxicity			
<u>c</u>	Compo	nents:			
а	ammor	ium nitrate:			

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

# Blaukorn® Suprem 21-5-10



Version 1.0	Revision Date: 05.12.2024	SDS Number: M0076	Date of last issue: - Date of first issue: 05.12.2024	
NC Apj Exj NC Apj Exj	ecies DAEL plication Route bosure time ecies DAEL plication Route bosure time thod	: Rat : > 1.500 mg/k : Oral : 28 d : Rat : = 256 mg/kg : Oral : 52 w : OECD Test G	_	
Species NOAEL Application Route Exposure time Method		: Rat : >= 185 mg/kg : inhalation (du : 2 w : OECD Test G	st/mist/fume)	

#### Aspiration toxicity

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

### **Components:**

#### ammonium nitrate:

No aspiration toxicity classification

#### Ferrous sulfate monohydrate:

No aspiration toxicity classification

#### disodium tetraborate 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.

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

# Blaukorn® Suprem 21-5-10



Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	05.12.2024	M0076	Date of first issue: 05.12.2024

### **SECTION 12: Ecological information**

#### 12.1 Toxicity

Components:

<u>oomponents.</u>		
<b>ammonium nitrate:</b> Toxicity to fish	:	LC50 (Fish): > 100 mg/l
	•	Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 490 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	ErC50 (diatoms): 1.700 mg/l Exposure time: 10 h
Toxicity to microorganisms	:	EC50 (activated sludge): 1.000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
disodium tetraborate pentah	nyd	rate:
Toxicity to fish	:	(Pimephales promelas (fathead minnow)): 79,7 mg/l Test Type: LC50
Toxicity to daphnia and other aquatic invertebrates	:	LC50 (Ceriodaphnia dubia (water flea)): 91 mg/l
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 52,4 mg/l
Toxicity to fish (Chronic tox- icity)	:	NOEC: 6,4 mg/l Species: Danio rerio (zebra fish)
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOEC: 14,2 mg/l Species: Daphnia magna (Water flea)

## 12.2 Persistence and degradability

#### Components:

#### ammonium nitrate:

Biodegradability

: Remarks: The methods for determining the biological degradability are not applicable to inorganic substances.

#### 12.3 Bioaccumulative potential

#### Components:

ammonium nitrate:

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



Version 1.0	Revision Date: 05.12.2024	SDS M007	Number: 6	Date of last issue: - Date of first issue: 05.12.2024
Bioad	Bioaccumulation		Remarks: Bioaccumulation is unlikely.	
	ion coefficient: n- ol/water	: lo	log Pow: -3,1	
disod	lium tetraborate pent	ahydrat	e:	
	ion coefficient: n- ol/water	: lo	g Pow: -1,53	(22 °C)
	i <b>lity in soil</b> ata available			
12.5 Resu	Ilts of PBT and vPvB	assessr	nent	
<u>Prod</u>	uct:			
Asse	ssment	to Ve	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.	
Com	ponents:			
disod	lium tetraborate pent	ahydrat	e:	
Asse	sessment : Substance is not persistent, bioaccumulative, and toxic Substance is not very persistent and very bioaccumula (vPvB).			
12.6 Endo	ocrine disrupting pro	perties		
Prod	uct:			
Asse	ssment	: The substance/mixture does not contain components consid- ered 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.		
	r adverse effects ata available			
SECTION	N 13: Disposal cons	ideratio	ons	
13 1 Was	e treatment methods			
Produ		: D D W	ispose of in a aste codes sl	o surface water or sanitary sewer system. ccordance with local regulations. hould be assigned by the user based on the which the product was used.
Conta	aminated packaging	: E	mpty remainir	ig contents.

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

# Blaukorn® Suprem 21-5-10



Version 1.0	Revision Date: 05.12.2024	SDS Number:Date of last issue: -M0076Date of first issue: 05.1	2.2024
		Empty containers should be taken to an a dling site for recycling or disposal.	pproved waste han
SECTIO	N 14: Transport inf	rmation	
14.1 UN n	umber or ID numbe		
ADN		: Not regulated as a dangerous good	
ADR		: Not regulated as a dangerous good	
RID		: Not regulated as a dangerous good	
IMDO	3	: Not regulated as a dangerous good	
ΙΑΤΑ	_ <b>P</b>	: Not regulated as a dangerous good	
14.2 UN p	proper shipping nam		
ADN		: Not regulated as a dangerous good	
ADR		: Not regulated as a dangerous good	
RID		: Not regulated as a dangerous good	
IMDO	3	: Not regulated as a dangerous good	
ΙΑΤΑ	_P	: Not regulated as a dangerous good	
14.3 Tran	sport hazard class(e	)	
ADN		: Not regulated as a dangerous good	
ADR		: Not regulated as a dangerous good	
RID		: Not regulated as a dangerous good	
IMDO	3	: Not regulated as a dangerous good	
ΙΑΤΑ	_P	: Not regulated as a dangerous good	
14.4 Pack	king group		
ADN		: Not regulated as a dangerous good	
ADR		: Not regulated as a dangerous good	
RID		: Not regulated as a dangerous good	
IMDO	3	: Not regulated as a dangerous good	
ΙΑΤΑ	(Cargo)	: Not regulated as a dangerous good	
ΙΑΤΑ	_P (Passenger)	: Not regulated as a dangerous good	
14.5 Envi	ronmental hazards		
Not r	egulated as a danger	is good	
-	cial precautions for unplicable	ser	
	time transment in built	according to IMO instruments	

14.7 Maritime transport in bulk according to IMO instruments

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



# Blaukorn® Suprem 21-5-10

Version	Revision Date:	SDS Number:	Date of last issue: -	
1.0	05.12.2024	M0076	Date of first issue: 05.12.2024	
MHB	latory basis C Group	: IMSBC Code : no : C		

#### **SECTION 15: Regulatory information**

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

Concern for Authorisation (Article	, ,	•				
Regulation (EC) No 1005/2009 or plete the ozone layer	:	Not applicable				
Regulation (EU) 2019/1021 on pe tants (recast)	ersistent organic pollu-	:	Not applicable			
REACH - List of substances subject to authorisation : Not applicable (Annex XIV)						
Regulation (EU) 2019/1148 on the marketing and use of explo- sives precursors						
Acquisition, introduction, possession or use of this product by the general public is restricted by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.						
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- : ny)	WGK 1 slightly hazardo Classification according					

## 15.2 Chemical safety assessment

Not relevant

### **SECTION 16: Other information**

#### Full text of H-Statements

H272	: May intensify fire; oxidizer.
H302	: Harmful if swallowed.
H315	: Causes skin irritation.

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





Version 1.0	Revision Date: 05.12.2024		9S Number: 9076	Date of last issue: - Date of first issue: 05.12.2024	
H319 H360FD		:	Causes serious eye irritation. May damage fertility. May damage the unborn child.		
Full te	xt of other abbreviation	ons			
Eye Irr Ox. So Repr. Skin Irr DE DF DE TR DE DF	Eye Irrit.:EyeOx. Sol.:ORepr.:RSkin Irrit.:SIDE DFG MAK:GDE TRGS 900:GDE DFG MAK / MAK:M		Acute toxicity Eye irritation Oxidizing solids Reproductive toxi Skin irritation Germany. MAK B Germany. TRGS MAK value Time Weighted A	AT Annex IIa 900 - Occupational exposure limit values.	

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

#### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guid-



# Blaukorn® Suprem 21-5-10

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	05.12.2024	M0076	Date of first issue: 05.12.2024

ance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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