

Trade name: Glaze Extend

Product no.: Blend

Current version: 3.0.0, issued: 05.09.2023 Replaced version: 2.0.0, issued: 04.09.2023 Region: GER

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

#### **Product identifier** 1.1

Trade name

#### Glaze Extend

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

#### Relevant identified uses of the substance or mixture

fertiliser additive

#### Uses advised against

No data available.

#### 1.3 Details of the supplier of the safety data sheet

**Address** 

Glaze Coatings Limited PO Box 308099 Manly, Auckland

0952

Telephone no. +64 21 043 7258

### **Advice on Safety Data Sheet**

office@glazecoatings.com

#### 1.4 **Emergency telephone number**

0800 764 766 National Poisons Centre

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 2; H411 Eye Dam. 1; H318 Repr. 2; H361

#### Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC)

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

#### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

#### Hazard pictograms









Signal word

Danger

#### Hazardous component(s) to be indicated on label:

N-(n-butyl)-thiophosphoric triamide

Hazard statement(s)

H318 Causes serious eye damage.

H361 Suspected of damaging fertility or the unborn child. H411 Toxic to aquatic life with long lasting effects.



Trade name: Glaze Extend

Product no.: Blend

Current version: 3.0.0, issued: 05.09.2023 Replaced version: 2.0.0, issued: 04.09.2023 Region:
GER

#### Precautionary statement(s)

P201 Obtain special instructions before use.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P310 Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container to a facility in accordance with local and national

regulations.

#### 2.3 Other hazards

This product 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.

PBT assessment

The product is not considered to be a PBT.

vPvB assessment

The product is not considered to be a vPvB.

#### **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

Not applicable. The product is not a substance.

#### 3.2 Mixtures

**Hazardous ingredients** 

No	Substance name		Additi	onal informatio	n	
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Conce	entration		%
	REACH no					
1	zinc oxide					
	1314-13-2	Aquatic Acute 1; H400	>=	2,50 - <	25,00	wt%
	215-222-5	Aquatic Chronic 1; H410				
	030-013-00-7					
	01-2119463881-32					
2	N-(n-butyl)-thiopho	sphoric triamide				
	94317-64-3	Eye Dam. 1; H318	>=	10,00 - <	25,00	wt%
	435-740-7	Repr. 2; H361f				
	-					
	01-2119958968-10					

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor	M-factor
			(acute)	(chronic)
1	-	-	M = 1	M = 1

### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

#### **General information**

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. Seek medical advice immediately.

#### After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Do not use mouth-to-mouth or mouth-to-nose resuscitation.

#### After skin contact

Wash immediately with plenty of water for several minutes. Seek medical attention.

#### After eye contact



Trade name: Glaze Extend

Product no.: Blend

 Current version : 3.0.0, issued: 05.09.2023
 Replaced version: 2.0.0, issued: 04.09.2023
 Region:

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

#### After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person.

#### 4.2 Most important symptoms and effects, both acute and delayed

No data available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available.

#### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray jet; Alcohol-resistant foam; Dry chemical extinguisher; Carbon dioxide

#### Unsuitable extinguishing media

High power water jet

#### 5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon oxides (COx); Zinc oxides; Phosphorus oxides; Nitrogen oxides (NOx); chlorine compounds

#### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Run-off water from fire fighting must not be discharged into drains or enter surface water.

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

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

#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Use personal protective clothing.

#### For emergency responders

Personal protective equipment (PPE) - see section 8.

#### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case of entry into waterways, soil or drains, inform the responsible authorities.

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

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

#### 6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

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

#### 7.1 Precautions for safe handling

#### Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

#### General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Have emergency shower available. Provide eye wash fountain in work area.

#### Advice on protection against fire and explosion



Trade name: Glaze Extend

Product no.: Blend

Current version: 3.0.0, issued: 05.09.2023 Replaced version: 2.0.0, issued: 04.09.2023 Region:

GER

Keep away from ignition sources and provide for good ventilation.

#### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Store only at temperature of 40°C maximum (=104°F). Do not store at temperatures below -5 °C. Protect from direct sunlight.

Recommended storage temperature

Value 0 - 35 °C

Storage stability

Value 12 months

Comments Changes in the properties of the product may occur if product is stored above or

below indicated temperature for extended periods of time.

#### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

#### Incompatible products

Substances to be avoided, see section 10.

#### Stoarge Class according TRGS 510

10-13 Combustible and Non-combustible liquids and solids that cannot be assigned to storage

class 1-8.

#### 7.3 Specific end use(s)

No data available.

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### **DNEL, DMEL and PNEC values**

**DNEL values (worker)** 

No	Substance name			CAS / EC no	)
	Route of exposure	Exposure time	Effect	Value	
1	zinc oxide			1314-13-2 215-222-5	
	dermal	Long term (chronic)	systemic	83	mg/kg/day
	with reference to: Zn Comments: insoluble				
	inhalative	Long term (chronic)	systemic	5	mg/m³
	with reference to: Zn				
	Comments: insoluble				
	inhalative	Long term (chronic)	local	0,5	mg/m³
	with reference to: Zn Comments: insoluble				
2	N-(n-butyl)-thiophosphor	ic triamide		94317-64-3	
				435-740-7	
	dermal	Long term (chronic)	systemic	0,12	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	0,63	mg/m³

**DNEL value (consumer)** 

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	zinc oxide			1314-13-2	
				215-222-5	
	oral	Long term (chronic)	systemic	0,83	mg/kg/day
	with reference to: Zn				
	Comments: insoluble				
	dermal	Long term (chronic)	systemic	83	mg/kg/day



Trade name: Glaze Extend

Product no.: Blend

Current version: 3.0.0, issued: 05.09.2023 Replaced version: 2.0.0, issued: 04.09.2023 Region:
GER

	with reference to: Zn Comments: insoluble				
	inhalative	Long term (chronic)	systemic	2,5	mg/m³
	with reference to: Zn				
	Comments: insoluble				
	Comments, msoluble				
2	N-(n-butyl)-thiophosphor	ic triamide		94317-64-3 435-740-7	
2		ic triamide  Long term (chronic)	systemic	94317-64-3 435-740-7 0,06	mg/kg bw/day
2	N-(n-butyl)-thiophosphor		systemic systemic	435-740-7	mg/kg bw/day mg/kg bw/day

#### **PNEC** values

No	Substance name		CAS / EC no	
NO		T=		)
	ecological compartment	Type	Value	
1	zinc oxide		1314-13-2	
			215-222-5	
	water	fresh water	20,6	μg/L
	with reference to: Zn			
	water	marine water	6,1	μg/L
	with reference to: Zn			
	water	fresh water sediment	117,8	mg/kg
	water	marine water sediment	56,5	mg/kg
	with reference to: Zn, dry weight			
	soil	-	35,6	mg/kg
	with reference to: Zn, dry weight			
	sewage treatment plant	-	100	μg/L
2	N-(n-butyl)-thiophosphoric triamide		94317-64-3	
			435-740-7	
	water	fresh water	0,28	mg/L
	water	marine water	0,028	mg/L
	water	fresh water sediment	1,51	mg/kg dry
				weight
	water	marine water sediment	0,151	mg/kg dry
				weight
	soil	-	0,94	mg/kg dry
				weight
	sewage treatment plant	-	8,8	mg/L

#### 8.2 Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

#### Personal protective equipment

#### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respiratory filter (gas): P1
Respiratory filter (part): P3

#### Eye / face protection

Tightly fitting safety glasses (EN 166).

#### **Hand protection**

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.



Trade name: Glaze Extend

Product no.: Blend

Current version:3.0.0, issued:05.09.2023Replaced version:2.0.0, issued:04.09.2023Region:GER

Other

weak

Chemical-resistant work clothes.

**Environmental exposure controls** 

No data available.

Decemposition temperature

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

#### 9.1 Information on basic physical and chemical properties

State of aggregation
liquid
Colour
varies depending on the composition.
Odour

pH value		
Value	6,2	
Source	manufacturer	

Boiling point / boiling range	
No data available	

Melting point/freezing point	
No data available	

Decomposition temperature	
No data available	

Flash point	
No data available	

iginition temperature
No data available
Flammability

No data available	
1	
Lower explosion limit	

To the transfer of the transfe	
No data available	
Upper explosion limit	

No data available	
Vapour pressure	
No data available	

Relative vapour density
No data available

Relative density	
No data available	

Carring			
Solubility in water			
140 data available			
No data available			
Density			

Solubility in water			
Source	manufacturer		
Comments	partly soluble		
Solubility			

NO C	iala avallable					
Part	Partition coefficient n-octanol/water (log value)					
No	Substance name	CAS no.	EC no.			



Trade name: Glaze Extend

Product no.: Blend

Current version: 3.0.0, issued: 05.09.2023 Replaced version: 2.0.0, issued: 04.09.2023 Region:

GER

1 N-(n-butyl)-thiophosphoric triamide	94317-64-3		435-740-7	
log Pow		0,444		
Reference temperature		20	°C	
with reference to	pH: >= 7,04 - <= 7,06			
Method	OECD 107			
Source	ECHA			

Kinematic viscosity	
No data available	

Particle characteristics	
No data available	

#### 9.2 Other information

Other information	
No data available.	

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

#### 10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

#### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

#### Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

#### 10.4 Conditions to avoid

Heat; Moisture.

### 10.5 Incompatible materials

strong oxidizing agents

#### 10.6 Hazardous decomposition products

None if stored, handled and transported properly. In case of fire: see section 5.

### **SECTION 11: Toxicological information**

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

Acute oral toxicity					
No	Substance name		CAS no.		EC no.
1	zinc oxide		1314-13-2		215-222-5
LD5	0	>		5000	mg/kg bodyweight
Spe	cies	rat			
Meth	nod	OECD 401			
Sou	rce	ECHA			
2	N-(n-butyl)-thiophosphoric triamide		94317-64-3		435-740-7
LD5	0			2603	mg/kg bodyweight
Spe	cies	rat			
Meth	nod	OECD 401			
Sou	rce	ECHA			
Eval	uation/classification	Based on av	ailable data, the	classification	on criteria are not met.

Acute dermal toxicity				
Substance name	CAS	no.	EC no.	
N-(n-butyl)-thiophosphoric triamide	9431	7-64-3	435-740-7	
0	>	2000	mg/kg bodyweight	
cies	rabbit			
nod	OECD 402			
ce	ECHA			
uation/classification	Based on available	data, the classificati	on criteria are not met.	
	Substance name	Substance name CAS N-(n-butyl)-thiophosphoric triamide Cies Cies Cies Cies Cies Cies Cies Cie	Substance name  N-(n-butyl)-thiophosphoric triamide  > 2000 cies rabbit OECD 402 ECHA	



Trade name: Glaze Extend

Product no.: Blend

Current version : 3.0.0, issued: 05.09.2023Replaced version: 2.0.0, issued: 04.09.2023Region: GER

Acu	Acute inhalational toxicity					
No	Substance name		CAS no.		EC no.	
1	zinc oxide		1314-13-2		215-222-5	
LC5	0	>		5,7	mg/l	
Dura	ation of exposure			4	h	
Stat	e of aggregation	Dust/mist				
Spe	cies	rat				
Meth	nod	OECD 403				
Sou	rce rce	ECHA				

Skir	Skin corrosion/irritation						
No	Substance name		CAS no.	EC no.			
1	zinc oxide		1314-13-2	215-222-5			
Spe	cies	rabbit					
Meth	nod	OECD 404					
Sou	rce	ECHA					
Eval	uation	non-irritant					
2	N-(n-butyl)-thiophosphoric triamide		94317-64-3	435-740-7			
Meth	nod	OECD 404					
Sou	rce	ECHA					
Eval	uation	non-irritant					

Seri	Serious eye damage/irritation						
No	Substance name		CAS no.		EC no.		
1	zinc oxide		1314-13-2		215-222-5		
Spe	cies	rabbit					
Meth	nod	OECD 405					
Soul	rce	ECHA					
Eval	uation	non-irritant					
2	N-(n-butyl)-thiophosphoric triamide		94317-64-3		435-740-7		
Dura	ation of exposure			72	h		
Spe	cies	rabbit					
Meth	nod	OECD 405					
Soul	rce	ECHA					
Eval	uation	corrosive					

Res	piratory or skin sensitisation					
No	Substance name	CAS no.	EC no.			
1	zinc oxide	1314-13-2	215-222-5			
Rou	te of exposure	respiratory tract				
Sou	rce	ECHA				
Eval	luation	non-sensitizing				
Eval	luation/classification	Based on available data, the classification	ı criteria are not met.			
Rou	te of exposure	Skin				
Spe	cies	Guinea pig				
Meth	nod	OECD 406				
Sou	rce	ECHA				
Eval	luation	non-sensitizing				
Eval	luation/classification	Based on available data, the classification	r criteria are not met.			
2	N-(n-butyl)-thiophosphoric triamide	94317-64-3	435-740-7			
Rou	te of exposure	Skin				
Sou	rce	ECHA				
Eval	luation/classification	Based on available data, the classification	r criteria are not met.			

Germ cell mutagenicity					
No	Substance name	CAS no.	EC no.		
1	N-(n-butyl)-thiophosphoric triamide	94317-64-3	435-740-7		
Method		OECD 471			
Source		ECHA			
Eval	luation/classification	Based on available data, the classification	on criteria are not met.		

Reproduction toxicity	
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Trade name: Glaze Extend

Product no.: Blend

Current version: 3.0.0, issued: 05.09.2023 Region: Replaced version: 2.0.0, issued: 04.09.2023

GER

No data available

Carcinogenicity

No data available

STOT - single exposure

No data available

STC	STOT - repeated exposure					
No	Substance name	CAS no.	EC no.			
1	N-(n-butyl)-thiophosphoric triamide	94317-64-3	435-740-7			
Method		OECD 408				
Source		ECHA				
Eval	uation/classification	Based on available data, the classificati	ion criteria are not met.			

**Aspiration hazard** 

No data available

#### 11.2 Information on other hazards

#### **Endocrine disrupting properties**

No data available.

Other information

No data available.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Tox	Toxicity to fish (acute)					
No	Substance name	CAS no.		EC no.		
1	N-(n-butyl)-thiophosphoric triamide	94317-64-3		435-740-7		
LC5	0		1140	mg/l		
Dura	ation of exposure		96	h		
Spe	cies	Lepomis macrochirus				
Metl	nod	EPA OPPTS 850.1075				
Sou	rce	ECHA				

### Toxicity to fish (chronic)

No data available

Toxi	Toxicity to Daphnia (acute)				
No	Substance name	CAS no.		EC no.	
1	N-(n-butyl)-thiophosphoric triamide	94317-64-3		435-740-7	
EC5	50	appr.	290	mg/l	
Dura	ation of exposure		48	h	
Spe	cies	Daphnia magna			
Meth	nod	OECD 202			
Sou	rce	ECHA			

### Toxicity to Daphnia (chronic)

No data available

Tox	Toxicity to algae (acute)					
No	Substance name		CAS no.		EC no.	
1	N-(n-butyl)-thiophosphoric triamide		94317-64-3		435-740-7	
EC5	50			530	mg/l	
Dura	ation of exposure			72	h	
Spe	cies	Algae				
Met	nod	OECD 201				
Sou	rce	ECHA				

No data available



Trade name: Glaze Extend

Product no.: Blend

 Current version : 3.0.0, issued: 05.09.2023
 Replaced version: 2.0.0, issued: 04.09.2023
 Region:

GER

Bacteria toxicity
No data available

12.2 Persistence and degradability

Biod	degradability			
No	Substance name	CAS no.		EC no.
1	N-(n-butyl)-thiophosphoric triamide	94317-64-3		435-740-7
Туре	e	aerobic biodegradation		
Valu	e		9,51	%
Dura	ation		28	day(s)
Meth	nod	EPA OTS 796.3260		
Sou	rce	ECHA		
Eval	uation	not readily biodegradable		

12.3 Bioaccumulative potential

	Diodocamatatio potential				
Part	ition coefficient n-octanol/water (log value	e)			
No	Substance name	CAS no.		EC no.	
1	N-(n-butyl)-thiophosphoric triamide	94317-64-3		435-740-7	
log F	Pow		0,444		
Refe	erence temperature		20	°C	
with	reference to	pH: >= 7,04 - <= 7,06			
Meth		OECD 107			
Sour	rce	ECHA			

#### 12.4 Mobility in soil

No data available.

#### 12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The product is not considered to be a PBT.
vPvB assessment	The product is not considered to be a vPvB.

#### 12.6 Endocrine disrupting properties

No data available.

#### 12.7 Other adverse effects

No data available.

#### 12.8 Other information

Other Information
Do not discharge product unmonitored into the environment.

Do not discharge into drains or waters and do not dispose of in public landfills.

#### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

#### Product

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

#### **Packaging**

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

### **SECTION 14: Transport information**

#### 14.1 Transport ADR/RID/ADN

Class 9 Classification code M6



Trade name: Glaze Extend

Product no.: Blend

Current version: 3.0.0, issued: 05.09.2023 Replaced version: 2.0.0, issued: 04.09.2023 Region:
GER

Packing group III
Hazard identification no. 90
UN number UN3082

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Technical name zinc oxide

Tunnel restriction code - Label 9

Environmentally hazardous Symbol "fish and tree"

substance mark

14.2 Transport IMDG

Class 9
Packing group III
UN number UN3082

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Technical name zinc oxide
EmS F-A, S-F
Label 9

Marine pollutant mark Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class 9
Packing group III
UN number UN3082

Proper shipping name Environmentally hazardous substance, liquid, n.o.s.

Technical name zinc oxide

Label 9

Environmentally hazardous Symbol "fish and tree"

substance mark

14.4 Other information

No data available.

Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

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

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

#### Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

#### REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

# Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category:



Trade name: Glaze Extend

Product no.: Blend

Current version: 3.0.0, issued: 05.09.2023 Replaced version: 2.0.0, issued: 04.09.2023 Region:
GER

#### Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

#### National regulations

#### Water Hazard Class (Germany)

Class

Source Classification according to AwSV (Regulation on facilities for handling substances

that are hazardous to water).

#### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

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

#### Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

# Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H361f Suspected of damaging fertility.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

#### Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

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