

Trade name: Glaze Extend**Product no.:** Essential**Current version :** 2.0.0, issued: 05.09.2023**Replaced version:** 1.0.0, issued: 04.09.2023**Region:**
GER**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Glaze Extend****1.2 Relevant identified uses of the substance or mixture and uses advised against****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)**

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) n° 1272/2008:

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

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**

GHS05



GHS08

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.

Precautionary statement(s)

P280

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

Trade name: Glaze Extend**Product no.:** Essential**Current version :** 2.0.0, issued: 05.09.2023**Replaced version:** 1.0.0, issued: 04.09.2023**Region:**
GER

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		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	N-(n-butyl)-thiophosphoric triamide			
	94317-64-3 435-740-7 - 01-2119958968-10	Eye Dam. 1; H318 Repr. 2; H361f	>= 10,00 - < 25,00	wt%

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

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

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

Trade name: Glaze Extend**Product no.:** Essential**Current version :** 2.0.0, issued: 05.09.2023**Replaced version:** 1.0.0, issued: 04.09.2023**Region:**
GER**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.

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

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

Trade name: Glaze Extend

Product no.: Essential

Current version : 2.0.0, issued: 05.09.2023

Replaced version: 1.0.0, issued: 04.09.2023

Region:
GER

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	N-(n-butyl)-thiophosphoric 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/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	N-(n-butyl)-thiophosphoric triamide			94317-64-3 435-740-7	
	oral	Long term (chronic)	systemic	0,06	mg/kg bw/day
	dermal	Long term (chronic)	systemic	0,06	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	0,155	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	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

Trade name: Glaze Extend

Product no.: Essential

Current version : 2.0.0, issued: 05.09.2023

Replaced version: 1.0.0, issued: 04.09.2023

Region:
GER

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 work-station 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.

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

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	
weak	
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	
Ignition temperature	
No data available	
Flammability	
No data available	
Lower explosion limit	
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	

Trade name: Glaze Extend**Product no.:** Essential**Current version :** 2.0.0, issued: 05.09.2023**Replaced version:** 1.0.0, issued: 04.09.2023**Region:**
GER

Density
No data available

Solubility in water	
Source	manufacturer
Comments	partly soluble

Solubility
No data available

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
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).

10.3 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	N-(n-butyl)-thiophosphoric triamide	94317-64-3	435-740-7
LD50		2603	mg/kg bodyweight
Species		rat	
Method		OECD 401	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.

Trade name: Glaze Extend

Product no.: Essential

Current version : 2.0.0, issued: 05.09.2023

Replaced version: 1.0.0, issued: 04.09.2023

Region:
GER

1	N-(n-butyl)-thiophosphoric triamide	94317-64-3	435-740-7
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Acute inhalational toxicity

No data available

Skin corrosion/irritation

No	Substance name	CAS no.	EC no.
1	N-(n-butyl)-thiophosphoric triamide	94317-64-3	435-740-7
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		

Serious eye damage/irritation

No	Substance name	CAS no.	EC no.
1	N-(n-butyl)-thiophosphoric triamide	94317-64-3	435-740-7
Duration of exposure		72	h
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	corrosive		

Respiratory or skin sensitisation

No	Substance name	CAS no.	EC no.
1	N-(n-butyl)-thiophosphoric triamide	94317-64-3	435-740-7
Route of exposure	Skin		
Source	ECHA		
Evaluation/classification	Based on available data, the classification 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		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity

No data available

Carcinogenicity

No data available

STOT - single exposure

No data available

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

Aspiration hazard

No data available

11.2 Information on other hazards**Endocrine disrupting properties**

No data available.

Other information

Trade name: Glaze Extend

Product no.: Essential

Current version : 2.0.0, issued: 05.09.2023

Replaced version: 1.0.0, issued: 04.09.2023

Region:
GER

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	N-(n-butyl)-thiophosphoric triamide	94317-64-3	435-740-7
LC50		1140	mg/l
Duration of exposure		96	h
Species	Lepomis macrochirus		
Method	EPA OPPTS 850.1075		
Source	ECHA		

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	N-(n-butyl)-thiophosphoric triamide	94317-64-3	435-740-7
EC50		appr. 290	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No data available			

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	N-(n-butyl)-thiophosphoric triamide	94317-64-3	435-740-7
EC50		530	mg/l
Duration of exposure		72	h
Species	Algae		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No data available			

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	N-(n-butyl)-thiophosphoric triamide	94317-64-3	435-740-7
Type	aerobic biodegradation		
Value		9,51	%
Duration		28	day(s)
Method	EPA OTS 796.3260		
Source	ECHA		
Evaluation	not readily biodegradable		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
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		

Trade name: Glaze Extend

Product no.: Essential

Current version : 2.0.0, issued: 05.09.2023

Replaced version: 1.0.0, issued: 04.09.2023

Region:
GER

Method	OECD 107
Source	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.

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

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 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

Trade name: Glaze Extend**Product no.:** Essential**Current version :** 2.0.0, issued: 05.09.2023**Replaced version:** 1.0.0, issued: 04.09.2023**Region:**
GER**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 not subject to Part 1 or 2 of Annex I.

Other regulations

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

National regulations**Water Hazard Class (Germany)**

Class

1

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.

Creation of the safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

This information is based on our present knowledge and experience.

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

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 796716