Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

TOPSTAR UV FPG 721 1000 Silver

Version 2.0

Revision Date 11.07.2023

Print Date 13.07.2023

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

1.1 Product identifier

Trade name	:	TOPSTAR UV FPG 721 1000 Silver
Material number	:	027255N20

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

This information is not available.

1.3 Details of the supplier of the safety data sheet

Company	: ECKART GmbH
	Guentersthal 4
	91235 Hartenstein
Telephone	: +499152770
Telefax	: +499152777008
E-mail address	: msds.eckart@altana.com
Responsible/issuing person	

1.4 Emergency telephone number

NCEC: (contract no.: ECKART29003-NCEC) +44 1235 239671 (Middle East/Africa, call and response in your language) +1 215 207 0061 (Americas, call and response in your language) +65 3158 1074 (Asia-Pacific, call and response in your language)

SECTION 2: Hazards identification

GHS Classification

: Serious eye damage/eye irritation, Category 2A, H319 Skin sensitisation, Category 1, H317 Short-term (acute) aquatic hazard, Category 3, H402

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	Long-term (chronic) aquatic hazaro	d, Category 3, H412
GHS-Labelling		
Symbol(s)		
Signal word	: Warning	
Hazard statements	: H317: May cause an allergic skin r H319: Causes serious eye irritatior H412: Harmful to aquatic life with l	n.
Precautionary statements	of the workplace. P273 Avoid release to the environed P280 Wear protective gloves/ eyent Response: P302 + P352 IF ON SKIN: Wash P305 + P351 + P338 IF IN EYE water for several minutes. Remove and easy to do. Continue rinsing. P333 + P317 If skin irritation or the help. P337 + P317 If eye irritation performed Disposal:	r handling. ng should not be allowed out onment. ve protection/ face protection. h with plenty of water. S: Rinse cautiously with
Identification	hich must be listed on the label CAS-No.	
Glycerol, propoxylated, este		
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acid Propylidynetrimethanol, ethoxylated, esters 28961-43-5 with acrylic acid

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SECTION 3: Composition/information on ingredients

Substance No.

Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification labelling	and	Concentration[%]
Glycerol, propoxylated, esters with acrylic acid	52408-84-1	Eye Dam./Irrit.;2A Skin Sens.;1;		25 - 50
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	28961-43-5	Eye Dam./Irrit.;2A Skin Sens.;1;		25 - 50
aluminium	7429-90-5 231-072-3	Flam. Sol.;1;I	H228	1 - 10
phenyl bis(2,4,6- trimethylbenzoyl)-phosphine oxide	162881-26-7	Acute Tox.;5; Acute Tox.;5; Skin Sens.;1; Aquatic Chronic;4;H4	H313 H317	0,25 - 1
2-Hydroxy-1-(4-(4-(2-hydroxy-2 methylpropionyl)benzyl)phenyl) 2-methylpropan-1-one		Acute Tox.;5; Acute Tox.;5; STOT RE;2;H Aquatic Acute Aquatic	H313 I373	0,25 - 1
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Chronic;1;H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	: Remove to fresh air.
	If unconscious, place in recovery position and seek medical advice.
	If symptoms persist, call a physician.
In case of skin contact	: If on skin, rinse well with water.
In case of eye contact	: Immediately flush eye(s) with plenty of water.
-	Remove contact lenses.
	Keep eye wide open while rinsing.
	If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear.
	Do not give milk or alcoholic beverages.
	Never give anything by mouth to an unconscious person.
	If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

This information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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: High volume water jet	
n the substance or mixture	
: Do not allow run-off from fire fighting to courses.	enter drains or water
t : Wear self-contained breathing apparatu necessary.	us for firefighting if
: Collect contaminated fire extinguishing must not be discharged into drains. Fire contaminated fire extinguishing water n accordance with local regulations. Use measures that are appropriate to local surrounding environment.	e residues and nust be disposed of in extinguishing
r	 High volume water jet m the substance or mixture Do not allow run-off from fire fighting to courses. Wear self-contained breathing apparate necessary. Collect contaminated fire extinguishing must not be discharged into drains. Fire contaminated fire extinguishing water naccordance with local regulations. Use

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Use personal protective equipment.
r oroonal probaalono	

6.2 Environmental precautions

Environmental precautions	 Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
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6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel,
	acid binder, universal binder, sawdust).
	Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

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This information is not available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	: Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.	
Advice on protection against fire and explosion	: Normal measures for preventive fire protection.	
Hygiene measures	: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.	
7.2 Conditions for safe storage, including any incompatibilities		

Requirements for storage areas and containers	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.
Other data	:	No decomposition if stored and applied as directed.

7.3 Specific end use(s)

This information is not available.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Germany:

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
aluminium	7429-90-5	AGW (Inhalable 10 mg/m3 2021-07-02 DE TRGS 90 fraction)			
Peak-limit: exc factor (categor		2;(II)			
Further informa	ation	When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
aluminium	7429-90-5	AGW (Alveolate 1,25 mg/m3 2021-07-02 DE TRGS 900 fraction)			
Peak-limit: exc factor (categor		2;(II)			
Further information		When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

8.2 Exposure controls

Personal protective equipm	nent	
Eye protection	: Tightly fitting safety goggles	
	Wear face-shield and protectiv problems.	e suit for abnormal processing
Hand protection		
Remarks	: The suitability for a specific wo with the producers of the prote	•
Skin and body protection	: Impervious clothing	
	Choose body protection according to the amount and concentration of the dangerous substance at the work place.	
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Environmental exposure controls General advice : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

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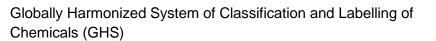
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: silver
Odour	: No data available
рН	: substance/mixture is non-soluble (in water)
Freezing point	: No data available
Boiling point/boiling range	: 100 °C
Flash point	: > 100 °C
Bulk density	: No data available
Flammability (solid, gas)	: No data available
Auto-flammability	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Density	: No data available
Water solubility	: No data available
Miscibility with water	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available

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Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Flow time	: No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid	: No data available
10.5 Incompatible materials	

Materials to avoid : No data ava	ilable
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10.6 Hazardous decomposition products

Other information : No data available

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SECTION 11: Toxicologica	I information	
11.1 Information on toxicolog	gical effects	
Acute toxicity		
Components:		
phenyl bis(2,4,6-trimethylber	zoyl)-phosphine oxide :	
Acute oral toxicity	: LD50 Rat: > 2 000 mg/kg	
	Method: OECD Test Guideline	e 401
Acute dermal toxicity	: LD50 Rat: > 2 000 mg/kg	
	Method: OECD Test Guideline	e 402
2-Hydroxy-1-(4-(4-(2-hydroxy Acute oral toxicity	-2-methylpropionyl)benzyl)phenyl)-2 : LD50 Rat: > 2 000 mg/kg	2-methylpropan-1-one :
Acute dermal toxicity	: LD50 Rat: > 2 000 mg/kg	
Skin corrosion/irritation		
<u>Product</u>		
May cause skin irritation a	nd/or dermatitis.	
Serious eye damage/eye irrit	ation	
Product		
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May cause irreversible eye damage.

Respiratory or skin sensitisation

Product

Causes sensitisation.

Carcinogenicity

No data available

Toxicity to reproduction/fertility

No data available

Reprod.Tox./Development/Teratogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product

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No data available

SECTION 12: Ecological information

12.1 Toxicity

<u>Components:</u> phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) : Ecotoxicology Assessment

Long-term (chronic) aquatic : May cause long lasting harmful effects to aquatic life. hazard

2-Hydroxy-1-(4-(4-(2-hydroxy-2-methylpropionyl)benzyl)phenyl)-2-methylpropan-1-one (474510-57-1) : M-Factor : 1

M-Factor Ecotoxicology Assessment

Short-term (acute) aquatic hazard	: Very toxic to aquatic life.
Long-term (chronic) aquatic	: Very toxic to aquatic life with long lasting effects.
hazard	

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

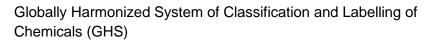
12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

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No data available

12.6 Other adverse effects

Product:

Additional ecological	: An environmental hazard cannot be excluded in the event of
information	unprofessional handling or disposal., Harmful to aquatic life
	with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	 The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.
Contaminated packaging	 Send to a licensed waste management company. Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number	
ADR	
Not dangerous goods	
TDG	
Not dangerous goods	
CFR	
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	Not dangerous goods
	IMDG
	Not dangerous goods
	ΙΑΤΑ
	Not dangerous goods
14.2	Proper shipping name
	ADR
	Not dangerous goods
	TDG
	Not dangerous goods
	CFR
	Not dangerous goods
	IMDG
	Not dangerous goods
	ΙΑΤΑ
	Not dangerous goods
14.3	Transport hazard class
	ADR
	Not dangerous goods
	TDG
	Not dangerous goods
	CFR
	Not dangerous goods
	IMDG
	Not dangerous goods
	ΙΑΤΑ
	Not dangerous goods

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14.4 Packing group

ADR Not dangerous goods TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

ΙΑΤΑ

Not dangerous goods

14.5 Environmental hazards

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

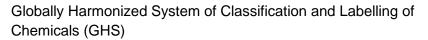
No data available

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High	: Not applicable
Concern for Authorisation (Article 59).	
REACH - List of substances subject to authorisation	: Not applicable

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(Annex XIV) Regulation (EC) No 1005/20 deplete the ozone layer Regulation (EU) 2019/1021 pollutants (recast) REACH - Restrictions on the the market and use of certai mixtures and articles (Annex REACH - Restrictions on the the market and use of certai mixtures and articles (Annex	on persistent organic e manufacture, placing on n dangerous substances, « XVII) e manufacture, placing on n dangerous substances,	(Glycerol, acrylic acid (Propylidy ethoxylate	able nd/or restricted propoxylated, esters with

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H-Statements	
H228	: Flammable solid.
H303	: May be harmful if swallowed.
H313	: May be harmful in contact with skin.
H317	: May cause an allergic skin reaction.
H319	: Causes serious eye irritation.
H373	: May cause damage to organs through prolonged or repeated exposure.
H400	: Very toxic to aquatic life.
H402	: Harmful to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.
H413	: May cause long lasting harmful effects to aquatic life.

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