

Safety Data Sheet

according to Regulation (EC) No 1907/2006

PRO FIBER CG 01 -99

Revision date: 17.03.2023

Product code:

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

PREMIUM LINE FIBER GEL CG 01 -99

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**Professional use.
Nail polish and gels**Uses advised against**

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name:	UNIQUE NAILS
Street:	Ipsountos 7
Place:	Athens, Greece
Telephone:	+308656070
e-mail:	Info@unique-cosmetics.com
Internet:	www.unique-cosmetics.com

1.4. Emergency telephone number: +306936040550

Further Information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**Skin Irrit. 2; H315
Eye Irrit. 2; H319
Skin Sens. 1; H317
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements**Regulation (EC) No 1272/2008****Hazard components for labelling**Urethane methacrylate
methacrylic acid, monoester with propane-1,2-diol
2,2'-ethylenedioxydiethyl dimethacrylate
Methyl benzoylformate
Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate
2-hydroxypropyl methacrylate**Signal word:** Warning**Pictograms:**

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Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/container to local/regional/national/international regulations.

2.3. Other hazards

The substances in the mixture (> 0.1%) do not meet the PBT/vPvB criteria according to REACH, annex XIII.
This product does not contain a substance (> 0.1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
-	Aliphatic urethane acrylate			50 - < 55 %
-	Urethane methacrylate			15 - < 20 %
	934-759-2			
	Skin Sens. 1, Aquatic Chronic 2; H317 H411			
27813-02-1	methacrylic acid, monoester with propane-1,2-diol			10 - < 12 %
	248-666-3		01-2119490226-37	
	Eye Irrit. 2, Skin Sens. 1; H319 H317			
1187441-10-6	Reaction products of 2-hydroxyethyl methacrylate and diphosphorus pentaoxide			1 - < 3 %
	810-703-1		01-2120140608-57	
	Met. Corr. 1, Skin Corr. 1A, Eye Dam. 1; H290 H314 H318			
15206-55-0	Methyl benzoylformate			0.5 - < 1 %
	239-263-3		01-2120101338-67	
	Skin Sens. 1; H317			
84434-11-7	Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate			0.5 - < 1 %
	282-810-6			
	Skin Sens. 1B, Aquatic Chronic 2; H317 H411			
923-26-2	2-hydroxypropyl methacrylate			< 0.5 %
	213-090-3	607-125-00-5		
	Eye Irrit. 2, Skin Sens. 1; H319 H317			
7664-38-2	phosphoric acid; orthophosphoric acid			< 0.5 %
	231-633-2	015-011-00-6	01-2119485924-24	
	Skin Corr. 1B; H314			

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108-88-3	toluene		< 0.1 %
	203-625-9	601-021-00-3	
	Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H225 H361d H315 H336 H373 H304		

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
27813-02-1	248-666-3	methacrylic acid, monoester with propane-1,2-diol	10 - < 12 %
		dermal: LD50 = >5000 mg/kg; oral: LD50 = >2000 mg/kg	
1187441-10-6	810-703-1	Reaction products of 2-hydroxyethyl methacrylate and diphosphorus pentaoxide	1 - < 3 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg	
84434-11-7	282-810-6	Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate	0.5 - < 1 %
		dermal: LD50 = >= 2000 mg/kg; oral: LD50 = > 5000 mg/kg	
7664-38-2	231-633-2	phosphoric acid; orthophosphoric acid	< 0.5 %
		Skin Corr. 1B; H314: >= 25 - 100 Skin Irrit. 2; H315: >= 10 - < 25 Eye Irrit. 2; H319: >= 10 - < 25	
108-88-3	203-625-9	toluene	< 0.1 %
		inhalation: LC50 = 28,1 mg/l (vapours); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg	

Further Information

Product does not contain listed SVHC substances > 0.1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2). Dry extinguishing powder. Alcohol resistant foam. Atomized water.

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Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixtureCan be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂).**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Safe handling: see section 7

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

6.2. Environmental precautions

Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up**For containment**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Wear suitable protective clothing. See section 8.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work.

Further information on handling

General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

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Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20 °C

Protect against: frost. UV-radiation/sunlight. heat. Humidity

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational exposure limits**

CAS No	Substance	ppm	mg/m ³	fib/cm ³	Category	Origin
128-37-0	2,6-Ditertiary-butyl-para-cresol	-	2		TWA (8 h)	
150-76-5	4-Methoxyphenol	-	5		TWA (8 h)	
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	
		-	2		STEL (15 min)	
108-88-3	Toluene	50	192		TWA (8 h)	
		100	384		STEL (15 min)	

Biological limit values

CAS No	Substance	Parameter	Value	Test material	Sampling time
108-88-3	Toluene	Toluene	0.03 mg/L	Urine	End of shift

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
27813-02-1	methacrylic acid, monoester with propane-1,2-diol			
Worker DNEL, long-term	inhalation	systemic	14,7 mg/m ³	
Worker DNEL, long-term	dermal	systemic	4,2 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	2,5 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	8,8 mg/m ³	
Consumer DNEL, long-term	dermal	systemic	2,5 mg/kg bw/day	
1187441-10-6	Reaction products of 2-hydroxyethyl methacrylate and diphosphorus pentoxide			
Worker DNEL, long-term	inhalation	systemic	7,05 mg/m ³	
Worker DNEL, long-term	dermal	systemic	1 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	3,53 mg/m ³	
Consumer DNEL, long-term	dermal	systemic	0,5 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	0,5 mg/kg bw/day	
84434-11-7	Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate			
Worker DNEL, long-term	inhalation	systemic	4,93 mg/m ³	
Worker DNEL, long-term	dermal	systemic	1,4 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	0,87 mg/m ³	
Consumer DNEL, long-term	dermal	systemic	0,5 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	0,5 mg/kg bw/day	

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7664-38-2	phosphoric acid; orthophosphoric acid		
Worker DNEL, long-term	inhalation	local	2,92 mg/m ³
Consumer DNEL, long-term	inhalation	local	0,73 mg/m ³

PNEC values

CAS No	Substance	
Environmental compartment		Value
27813-02-1	methacrylic acid, monoester with propane-1,2-diol	
Freshwater		0,904 mg/l
Freshwater (intermittent releases)		0,972 mg/l
Marine water		0,904 mg/l
Marine water (intermittent releases)		0,972 mg/l
Freshwater sediment		6,28 mg/kg
Marine sediment		6,28 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/kg
Soil		0,727 mg/kg
1187441-10-6	Reaction products of 2-hydroxyethyl methacrylate and diphosphorus pentaoxide	
Freshwater		0,165 mg/l
Freshwater (intermittent releases)		1,65 mg/l
Marine water		0,017 mg/l
Freshwater sediment		2,8 mg/kg
Marine sediment		0,28 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,4 mg/l
Soil		0,46 mg/kg
84434-11-7	Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate	
Freshwater		0,00101 mg/l
Freshwater (intermittent releases)		0,0101 mg/l
Marine water		0,000101 mg/l
Freshwater sediment		0,24 mg/kg
Marine sediment		0,024 mg/kg
Soil		0,0475 mg/kg

8.2. Exposure controls**Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Wear safety glasses; chemical goggles (if splashing is possible). EN 166

Hand protection

Wear suitable gloves.

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Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard EN 374 derived from it.

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

-Exceeding exposure limit values

-Insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). type: P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state: liquid, solid (after hardening)

Colour: coloured

Odour: characteristic

Odour threshold: not determined

Changes in the physical state

Melting point/freezing point: not determined

Boiling point or initial boiling point and boiling range: not determined

Sublimation point: not determined

Softening point: not determined

Pour point: not determined

Flash point: not determined

Flammability

Solid/liquid: not determined

Explosive properties

none

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Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature:	not determined
Self-ignition temperature	
Solid:	not relevant
Gas:	not relevant
Decomposition temperature:	not determined
pH-Value:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Water solubility:	not determined
Solubility in other solvents	
not determined	
Dissolution rate:	not relevant
Partition coefficient n-octanol/water:	SECTION 12: Ecological information
Dispersion stability:	not relevant
Vapour pressure:	not determined
Density (at 20 °C):	~ 1,1 g/cm ³
Bulk density:	not determined
Relative vapour density:	not determined
Particle characteristics:	not relevant

9.2. Other information

Information with regard to physical hazard classes

Sustaining combustion: Not sustaining combustion

Oxidizing properties
none

Other safety characteristics

Solvent separation test:	not determined
Solvent content:	not determined
Solid content:	not determined
Evaporation rate:	not determined

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Refer to chapter 10.5.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

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10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Toxicokinetics, metabolism and distribution**

No data available.

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
27813-02-1	methacrylic acid, monoester with propane-1,2-diol				
	oral	LD50 >2000 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >5000 mg/kg	Rabbit.	ECHA Dossier	
1187441-10-6	Reaction products of 2-hydroxyethyl methacrylate and diphosphorus pentaoxide				
	oral	LD50 > 2000 mg/kg	Rat	ECHA Dossier	OECD Guideline 423
	dermal	LD50 > 2000 mg/kg	Rat	ECHA Dossier	OECD Guideline 423
84434-11-7	Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1982)	OECD Guideline 401
	dermal	LD50 >= 2000 mg/kg	Rat	Study report (2013)	OECD Guideline 402
108-88-3	toluene				
	oral	LD50 >5000 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >5000 mg/kg	Rabbit	ECHA Dossier	
	inhalation (4 h) vapour	LC50 28,1 mg/l	Rat	ECHA Dossier	

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

May cause an allergic skin reaction. (Urethane methacrylate; methacrylic acid, monoester with propane-1,2-diol; Methyl benzoylformate; Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate; 2-hydroxypropyl methacrylate; 4-methoxyphenol, hydroquinone monomethyl ether, mequinol)

Carcinogenic/mutagenic/toxic effects for reproduction

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

methacrylic acid, monoester with propane-1,2-diol:

In-vitro mutagenicity:

Method:

-in vitro mammalian chromosome aberration test = positive. Literature information: Mutation Research 517

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-OECD Guideline 471 (Bacterial Reverse Mutation Assay) = negative. Literature information: ECHA Dossier

-OECD Guideline 472 (Genetic Toxicology: Escherichia coli, Reverse Mutation Assay) = negative. Literature information: ECHA Dossier

-OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) = negative. Literature information: ECHA Dossier

In-vivo mutagenicity:

Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) = negative. Literature information: ECHA Dossier

STOT-single exposure

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

STOT-repeated exposure

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

methacrylic acid, monoester with propane-1,2-diol:

Subchronic oral toxicity:

Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Species: Rat

Exposure duration: 49d

Result: NOAEL = 300 mg/kg

Literature information: ECHA Dossier

Aspiration hazard

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

Specific effects in experiment on an animal

No data available.

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

This product does not contain a substance (> 0.1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other information

No data available.

SECTION 12: Ecological information**12.1. Toxicity**

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
27813-02-1	methacrylic acid, monoester with propane-1,2-diol					
	Acute algae toxicity	ErC50 mg/l	>97,2	72 h	Pseudokirchnerella subcapitata	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	>143	48 h	Daphnia magna	ECHA Dossier
1187441-10-6	Reaction products of 2-hydroxyethyl methacrylate and diphosphorus pentaoxide					
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Cyprinus carpio	ECHA Dossier
	Acute algae toxicity	ErC50	90 mg/l	72 h	Selenastrum capricornutum, strain: NIVA CHL 1.	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna	ECHA Dossier
						EU Method C.1
						OECD Guideline 201
						OECD Guideline 202

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84434-11-7	Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate					
	Acute fish toxicity	LC50 mg/l	1,89	96 h	Danio rerio	REACH Registration Dossier
	Acute algae toxicity	ErC50 mg/l	0,239	72 h	Desmodesmus subspicatus	REACH Registration Dossier
	Acute crustacea toxicity	EC50 mg/l	2,26	48 h	Daphnia magna	REACH Registration Dossier
7664-38-2	phosphoric acid; orthophosphoric acid					
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Desmodesmus subspicatus	Study report (2010)
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna	Study report (2010)
108-88-3	toluene					
	Acute fish toxicity	LC50 mg/l	(5,5)	96 h	Oncorhynchus kisutch	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	(3,78)	48 h	Ceriodaphnia dubia	ECHA Dossier
	Acute bacteria toxicity	(EC50 mg/l)	134	3 h	Chlorella vulgaris and Chlamydomonas angulosa	ECHA Dossier

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
27813-02-1	methacrylic acid, monoester with propane-1,2-diol			
	OECD 301C / ISO 9408 / EWG 92/69 Anhang V, C.4-F	>81%	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
1187441-10-6	Reaction products of 2-hydroxyethyl methacrylate and diphosphorus pentaoxide			
	OECD 301D / EEC 92/69 annex V, C.4-E	71%	28	
	The product is readily biodegradable to OECD criteria.			
84434-11-7	Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate			
	OECD Guideline 301 F	<10%	28	ECHA Dossier
	Not easily bio-degradable (according to OECD-criteria).			

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
27813-02-1	methacrylic acid, monoester with propane-1,2-diol	0,97
1187441-10-6	Reaction products of 2-hydroxyethyl methacrylate and diphosphorus pentaoxide	>= 0,3
84434-11-7	Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate	2,91
108-88-3	toluene	2,73

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

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The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

12.7. Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)**

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.

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14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

refer to chapter 6 - 8

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 regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 48, Entry 75

2010/75/EU (VOC): not determined

2004/42/EC (VOC): not determined

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII, No (mixture): 3

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 3 - highly hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

methacrylic acid, monoester with propane-1,2-diol

Reaction products of 2-hydroxyethyl methacrylate and diphosphorus pentaoxide

SECTION 16: Other information

Changes

Rev. 1,0; Initial release: 17.03.2023

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

AGW: Arbeitsplatzgrenzwert

CAS: Chemical Abstracts Service

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CLP: Classification, Labelling and Packaging of substances and mixtures
 DNEL: Derived No Effect Level
 d: day(s)
 EINECS: European INventory of Existing Commercial chemical Substances
 ELINCS: European List of Notified Chemical Substances
 ECHA: European Chemicals Agency
 EWC: European Waste Catalogue
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
 h: hour
 LOAEL: Lowest observed adverse effect level
 LOAEC: Lowest observed adverse effect concentration
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NOAEL: No observed adverse effect level
 NOAEC: No observed adverse effect concentration
 NLP: No-Longer Polymers
 N/A: not applicable
 OECD: Organisation for Economic Co-operation and Development
 PNEC: predicted no effect concentration
 PBT: Persistent bioaccumulative toxic
 RID: Regulation Concerning the International Transport of Dangerous Goods by Rail
 REACH: Registration, Evaluation, Authorisation of Chemicals
 SVHC: substance of very high concern
 TRGS: Technische Regeln für Gefahrstoffe
 UN: United Nations
 VOC: Volatile Organic Compounds

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)