

acc. to Regulation (EC) No. 1907/2006 (REACH)

Value UV Resin Tough

Version number: SDS 1.0 Date of compilation: 2023-03-19

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

1.1 Product identifier

Trade name Value UV Resin Tough

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

Relevant identified uses. 3D printing resin

1.3 Details of the supplier of the safety data sheet

Prima Printer Nordic AB Kantyxegatan 25 F 213 76 Malmö Sweden

e-mail: info@3dprima.com Website: www.3dprima.com

e-mail (competent person) info@3dprima.com

1.4 Emergency telephone number

Emergency information service +46 40 684 97 90

This number is only available during the following office hours: Mon-Fri 09:00 - 17:00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
3.4\$	skin sensitisation	1	Skin Sens. 1	H317
4.1C	hazardous to the aquatic environment - chronic hazard	2	Aquatic Chronic 2	H411

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labelling

- Signal word warning



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- Pictograms

GHS07, GHS09



- Hazard statements

Causes skin irritation. H315

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

- Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions. P261 Avoid breathing mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

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

IF ON SKIN: Wash with plenty of water. P302+P352

P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/regional/national/interna-

tional regulations.

- Supplemental hazard information

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not

breathe spray or mist.

- Hazardous ingredients for labelling (5-ethyl-1,3-dioxan-5-yl)methyl acrylate, Ethyl

phenyl(2,4,6-trimethylbenzoyl)phosphinate

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of ≥ 0,1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.



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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	lde	ntifier	Wt%	Classification acc. to GHS
(5-ethyl-1,3-dioxan-5-yl)methyl acrylate	CAS No	66492-51-1	25 - < 50	Skin Irrit. 2 / H315 Skin Sens. 1B / H317 Aquatic Chronic 2 / H411
Esterification products of acrylic acid with reaction products of 2,2-dimethylpropane-1,3-diol and methyloxirane	CAS No	84170-74-1	25 – < 50	Aquatic Chronic 2 / H411
Ethyl phenyl(2,4,6-trimethylben- zoyl)phosphinate	CAS No	84434-11-7	5 - < 10	Acute Tox. 4 / H312 Skin Sens. 1B / H317 Aquatic Chronic 2 / H411
Titanium dioxide	CAS No	13463-67-7	< 2	Carc. 2 / H351

Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
Ethyl phenyl(2,4,6-tri- methylbenzoyl)phosphin- ate	-	-	≥2,000 ^{mg} / _{kg}	dermal

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.



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Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.



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6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

Measures to prevent fire as well as aerosol and dust generation
 Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifi- er	TWA [ppm]	TWA [mg/ m³]	STEL [ppm]	Ceiling-C [ppm]		Source
GB	titanium dioxide	13463-67- 7	WEL		10			i	EH40/ 2005
GB	titanium dioxide	13463-67- 7	WEL		4			r	EH40/ 2005

Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur

i inhalable fraction r respirable fraction

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-

minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8

hours time-weighted average (unless otherwise specified)

Relevant DNELs of components of the mixture

CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
84170-74-1	DNEL	32.9 mg/m³	human, inhalatory	worker (industry)	chronic - systemic ef- fects
84170-74-1	DNEL	46.7 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic ef- fects
84434-11-7	DNEL	4.93 mg/m³	human, inhalatory	worker (industry)	chronic - systemic ef- fects
84434-11-7	DNEL	1.4 mg/kg bw/ day	human, dermal	worker (industry)	chronic - systemic ef- fects

Relevant PNECs of components of the mixture

CAS No	Endpoint	Threshold level	Organism	Environmental compart- ment	Exposure time
66492-51-1	PNEC	0.004 ^{mg} / _I	aquatic organisms	freshwater	short-term (single in- stance)
66492-51-1	PNEC	0 ^{mg} / _I	aquatic organisms	marine water	short-term (single in- stance)
66492-51-1	PNEC	30 ^{mg} / _I	aquatic organisms	sewage treatment plant (STP)	short-term (single in- stance)
66492-51-1	PNEC	0.019 ^{mg} / _{kg}	aquatic organisms	freshwater sediment	short-term (single in- stance)



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Relevant PNECs of components of the mixture

CAS No	Endpoint	Threshold level	Organism	Environmental compart- ment	Exposure time
66492-51-1	PNEC	0.002 ^{mg} / _{kg}	aquatic organisms	marine sediment	short-term (single in- stance)
66492-51-1	PNEC	0.001 ^{mg} / _{kg}	terrestrial organisms	soil	short-term (single in- stance)
84170-74-1	PNEC	0.003 ^{mg} / _I	aquatic organisms	freshwater	short-term (single in- stance)
84170-74-1	PNEC	0 ^{mg} / _I	aquatic organisms	marine water	short-term (single in- stance)
84170-74-1	PNEC	0.1 ^{mg} / _l	aquatic organisms	sewage treatment plant (STP)	short-term (single in- stance)
84170-74-1	PNEC	0.064 ^{mg} / _{kg}	aquatic organisms	freshwater sediment	short-term (single in- stance)
84170-74-1	PNEC	0.006 ^{mg} / _{kg}	aquatic organisms	marine sediment	short-term (single in- stance)
84170-74-1	PNEC	0.011 ^{mg} / _{kg}	terrestrial organisms	soil	short-term (single in- stance)
84434-11-7	PNEC	1.01 ^{µg} / _I	aquatic organisms	freshwater	short-term (single in- stance)
84434-11-7	PNEC	0.101 ^{µg} / _I	aquatic organisms	marine water	short-term (single in- stance)
84434-11-7	PNEC	0.24 ^{mg} / _{kg}	aquatic organisms	freshwater sediment	short-term (single in- stance)
84434-11-7	PNEC	24 ^{µg} / _{kg}	aquatic organisms	marine sediment	short-term (single in- stance)
84434-11-7	PNEC	47.5 ^{µg} / _{kg}	terrestrial organisms	soil	short-term (single in- stance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.



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Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. 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. 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.

- Type of material

Nitrile

- Material thickness

≥0,35mm

- Breakthrough times of the glove material

>60 minutes (permeation: level 3)

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filtering half mask (EN 149). P1 (filters at least 80 % of airborne particles, colour code: White).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state liquid

Colour acc. to product description

Odour characteristic

Melting point/freezing point not determined

Boiling point or initial boiling point and boiling range >200 °C at 1,013 mbar

Flammability this material is combustible, but will not ignite read-

ily

Lower and upper explosion limit not determined Flash point not determined

Auto-ignition temperature >240 °C

Decomposition temperature not relevant

PH (value) 6.8 – 7.2 (in aqueous solution: $100 \, \text{mg/}_{\text{cm}^3}$, $25 \, ^{\circ}\text{C}$)



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Kinematic viscosity not determined

Solubility(ies) not determined

Partition coefficient

Partition coefficient n-octanol/water (log value) this information is not available

Vapour pressure 0.5 hPa at 70 °C

Density and/or relative density

Density $1.05 \, {}^{\rm g}/_{\rm cm^3}$ at $25 \, {}^{\rm o}{\rm C}$

Relative vapour density information on this property is not available

Particle characteristics not relevant (liquid)

9.2 Other information

Information with regard to physical hazard classes hazard classes acc. to GHS (physical hazards): not

relevant

Other safety characteristics there is no additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

UV-radiation/sunlight.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.



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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to GHS

Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if swallowed.

Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate	84434-11-7	dermal	≥2,000 ^{mg} / _{kg}

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

There is no additional information.



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SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (chronic) of components of the mixture

CAS No	Endpoint	Value	Species	Exposure time
66492-51-1	EC50	>1,000 ^{mg} / _l	microorganisms	180 min
84434-11-7	EC50	>1,000 ^{mg} / _I	microorganisms	180 min

12.2 Persistence and degradability

Degradability of components of the mixture

CAS No	Process	Degradation rate	Time	Method	Source
66492-51-1	DOC removal	28 %	28 d		ECHA
84170-74-1	oxygen depletion	41 %	28 d		ECHA
84434-11-7	oxygen depletion	<10 %	28 d		ECHA

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

CAS No	BCF	Log KOW	BOD5/COD
66492-51-1		1.9 (pH value: 6, 23 °C)	
84170-74-1	≥3.24 − ≤4.37	1 (pH value: 6.44)	
84434-11-7		2.91 (pH value: 4.4, 25 °C)	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance in a concentration of \geq 0,1%.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.

12.7 Other adverse effects

Data are not available.



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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN	UN 3082
IMDG-Code	UN 3082
ICAO-TI	UN 3082

14.2 UN proper shipping name

OUS SUBSTANCE, LI-	ENVIRONMENTALLY HA	ADR/RID/ADN
OUS SUBSTANCE, L	ENVIRONMENTALLY HA	ADR/RID/ADN

QUID, N.O.S.

IMDG-Code ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LI-

QUID, N.O.S.

ICAO-TI Environmentally hazardous substance, liquid, n.o.s.

Technical name (hazardous ingredients) (5-ethyl-1,3-dioxan-5-yl)methyl acrylate, Esterifica-

tion products of acrylic acid with reaction products of 2,2-dimethylpropane-1,3-diol and methyloxirane

14.3 Transport hazard class(es)

ADR/RID/ADN	9
IMDG-Code	9
ICAO-TI	9

14.4 Packing group

ADR/RID/ADN III
IMDG-Code III
ICAO-TI III

14.5 Environmental hazards hazardous to the aquatic environment



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Environmentally hazardous substance (aquatic environment)

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate, Esterification products of acrylic acid with reaction products of 2,2-dimethylpropane-1,3-diol and methyloxirane

14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

14.8 Information for each of the UN Model Regulations

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) - Additional information

Classification code M6

Danger label(s) 9, fish and tree

Environmental hazards yes (hazardous to the aquatic environment)

Special provisions (SP) 274, 335, 375, 601

Excepted quantities (EQ) E1
Limited quantities (LQ) 5 L
Transport category (TC) 3
Tunnel restriction code (TRC) Hazard identification No 90
Emergency Action Code 3Z

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) - Additional information

Classification code M6

Danger label(s) 9, fish and tree



Hazard identification No

Environmental hazards yes (hazardous to water)

Special provisions (SP) 274, 335, 375, 601

Excepted quantities (EQ) E1
Limited quantities (LQ) 5 L
Transport category (TC) 3

90



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International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant yes (hazardous to the aquatic environment) ((5-ethyl-1,3-di-

oxan-5-yl)methyl acrylate)

Danger label(s) 9, fish and tree

Special provisions (SP) 274, 335, 969

Excepted quantities (EQ) E1
Limited quantities (LQ) 5 L

EmS F-A, S-F

Stowage category A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards yes (hazardous to the aquatic environment)

Danger label(s) 9, fish and tree

Special provisions (SP) A97, A158, A197, A215

Excepted quantities (EQ) E1
Limited quantities (LQ) 30 kg

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

Seveso Directive

2012/18/EU (Seveso III)

No	Dangerous substance/hazard categories	Qualifying quantity (tonnes lower and upper-tie		Notes
E2	environmental hazards (hazardous to the aquatic environment, cat. 2)	200	500	57)

Notation

57) hazardous to the Aquatic Environment in category Chronic 2

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed



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Water Framework Directive (WFD)

List of pollutants (WFD)

Name of substance	CAS No	Listed in	Remarks
Titanium dioxide		a)	
Titanium dioxide		a)	
Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate		a)	

Legend

A)

Indicative list of the main pollutants

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

National regulations (GB)

List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list

none of the ingredients are listed

Restrictions according to GB REACH, Annex 17

Dangerous substances with restrictions (GB REACH, Annex 17)

Name of substance	Name acc. to inventory	CAS No	No
Value UV Resin Tough	this product meets the criteria for classi- fication in accordance with Regulation No 1272/2008/EC		3

National inventories

Country	Inventory	Status
AU	AIIC	not all ingredients are listed
CA	DSL	not all ingredients are listed
CA	NDSL	not all ingredients are listed
CN	IECSC	not all ingredients are listed
EU	ECSI	not all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
JP	CSCL-ENCS	not all ingredients are listed
JP	ISHA-ENCS	not all ingredients are listed
KR	KECI	all ingredients are listed
MX	INSQ	not all ingredients are listed



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Country	Inventory	Status
NZ	NZIoC	not all ingredients are listed
PH	PICCS	not all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	all ingredients are listed
US	TSCA	not all ingredients are listed

Legend

AllC Australian Inventory of Industrial Chemicals CICR Chemical Inventory and Control Regulation

CSCL-ENCS List of Existing and New Chemical Substances (CSCL-ENCS)

DSL Domestic Substances List (DSL)

ECSI EC Substance Inventory (EINECS, ELINCS, NLP)

IECSC Inventory of Existing Chemical Substances Produced or Imported in China

INSQ National Inventory of Chemical Substances

ISHA-ENCS Inventory of Existing and New Chemical Substances (ISHA-ENCS)

KECI Korea Existing Chemicals Inventory
NDSL Non-domestic Substances List (NDSL)
NZIOC New Zealand Inventory of Chemicals

PICCS Philippine Inventory of Chemicals and Chemical Substances (PICCS)

REACH Reg. REACH registered substances

TCSI Taiwan Chemical Substance Inventory

TSCA Toxic Substance Control Act

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
ADR/RID/ADN	Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN)
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
Carc.	Carcinogenicity
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)



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Abbr.	Descriptions of used abbreviations
Ceiling-C	Ceiling value
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-govern- ment-licence/)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
GB REACH	The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
log KOW	n-Octanol/water
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Reg- ulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
STEL	Short-term exposure limit
TWA	Time-weighted average



acc. to Regulation (EC) No. 1907/2006 (REACH)

Value UV Resin Tough

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Abbr.	Descriptions of used abbreviations
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

Key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture. Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.