

## TPU95A

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878  
A safety data sheet is not required for this product. This document was created on a voluntary basis.  
SDS ID: UM00012  
Revision date: 21/12/2022 Supersedes version of: 14/01/2019 Version: 5.0

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

### 1.1. Product identifier

Product form : Mixture  
Trade name : TPU95A  
(Blue, Red, White, Black)

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use  
Use of the substance/mixture : 3D-Printer filament

#### 1.2.2. Uses advised against

Restrictions on use : This product must not be used in applications other than those identified above, without first seeking advice of the supplier

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

**Supplier**  
Ultimaker  
Watermolenweg 2  
4191 PN Geldermalsen - The Netherlands  
T +31 (0) 88 383 4000 (during office hours: 9 AM - 5 PM CET)  
[Product-Compliance@Ultimaker.com](mailto:Product-Compliance@Ultimaker.com)

### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Health Service (NHS)		111 999 (in life-threatening emergencies)	
Wales	National Health Service (NHS)		0845 46 47	

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

#### **Adverse physicochemical, human health and environmental effects**

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

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### 2.2. Label elements

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

No labelling applicable

### 2.3. Other hazards

Other hazards not contributing to the classification : Risk of thermal burns on contact with molten product.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Other information : This substance/mixture does not meet the PBT/vPvB criteria of REACH regulation, annex XIII.

Component	
Titanium dioxide (Additive for TPU95A White) (13463-67-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Component	
Titanium dioxide (Additive for TPU95A White)(13463-67-7)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Thermoplastic polyurethane resin		≤ 100	Not classified
Titanium dioxide (Additive for TPU95A White)	(CAS-No.) 13463-67-7 (EC-No.) 236-675-5 (REACH-no) 01-2119489379-17	≤ 1.1	Not classified
Limestone (total dust) (Additive for TPU95A Red)	(CAS-No.) 1317-65-3 (EC-No.) 215-279-6	≤ 0.3	Not classified
Silicon dioxide (Additive for TPU95A Blue)	(CAS-No.) 7631-86-9 (EC-No.) 231-545-4 (REACH-no) E*	≤ 0.05	Not classified
Carbon black (Additive for TPU95A Black)	(CAS-No.) 1333-86-4 (EC-No.) 215-609-9	≤ 0.05	Not classified
Aluminium oxide (Additive for TPU95A White)	(CAS-No.) 1344-28-1 (EC-No.) 215-691-6 (REACH-no) 01-2119529248-35	≤ 0.03	Not classified

Comments : Contains less than 1 % of titanium dioxide in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. In molten state: Hazardous vapours may be released.
First-aid measures after skin contact	: In case of contact with molten product, cool rapidly with water and seek immediate medical attention. Do not attempt to remove molten product from skin because skin will tear easily. Burns caused by molten material must be treated clinically. Wash skin with plenty of water and soap. Take off contaminated clothing.
First-aid measures after eye contact	: Rinse eyes with water as a precaution. In the event of contact with molten product: Immediately flush eyes thoroughly with water for at least 15 minutes. Get immediate medical advice/attention.
First-aid measures after ingestion	: If you feel unwell, seek medical advice.

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

Symptoms/effects	: No acute and delayed symptoms and effects are observed.
Symptoms/effects after skin contact	: Risk of thermal burns on contact with molten product.

#### 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	: Use extinguishing media appropriate for surrounding fire: Water spray, Dry powder, Foam, Carbon dioxide.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.

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

Explosion hazard	: Material can accumulate some static charge during transfer. Prevent build-up of electrostatic charges (e.g. by grounding).
Hazardous decomposition products in case of fire	: Under fire conditions, hazardous fumes will be present: Carbon dioxide, Carbon monoxide, Nitrogen oxides, Hydrogen cyanide, Isocyanates.

#### 5.3. Advice for firefighters

Precautionary measures fire	: Do not allow run-off from fire-fighting to enter drains or water courses.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment. Refer to section 8.2. Remove contaminated clothing and shoes.
Emergency procedures	: None in particular. In molten state: Do not breathe vapours. Ventilate spillage area. Avoid contact with skin, eyes and clothing.

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### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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

Methods for cleaning up : Sweep up and put in a closed container for disposal. If melted: allow liquid to solidify before taking it up.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13: "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. In molten state: Do not breathe vapours. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.  
Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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

Storage conditions : To guarantee the quality and properties of the product: Store in a well-ventilated place. Store in original container. Keep container tightly closed to avoid moisture absorption and contamination.  
Storage temperature : -20 – 30 °C (Relative air humidity: <50%)  
Heat and ignition sources : Keep away from heat, sparks and flames. Keep out of direct sunlight.

### 7.3. Specific end use(s)

3D-Printer filament.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Titanium dioxide (Additive for TPU95A White) (13463-67-7)	
Ireland - Occupational Exposure Limits	
Local name	Titanium dioxide
OEL (8 hours ref) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> total inhalable dust 4 mg/m <sup>3</sup> respirable dust
Regulatory reference	Chemical Agents Code of Practice 2020

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### Titanium dioxide (Additive for TPU95A White) (13463-67-7)

#### United Kingdom - Occupational Exposure Limits

Local name	Titanium dioxide
WEL TWA (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup> respirable 10 mg/m <sup>3</sup> total inhalable
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

### Silicon dioxide (Additive for TPU95A Blue) (7631-86-9)

#### Ireland - Occupational Exposure Limits

OEL (8 hours ref) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup> (total inhalable dust) 2.4 mg/m <sup>3</sup> (respirable dust)
OEL (15 min ref) (mg/m <sup>3</sup> )	18 mg/m <sup>3</sup> (calculated-respirable dust) 7.2 mg/m <sup>3</sup> (calculated-respirable dust)

#### United Kingdom - Occupational Exposure Limits

WEL TWA (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup> (inhalable dust) 2.4 mg/m <sup>3</sup> (respirable dust)
WEL STEL (mg/m <sup>3</sup> )	18 mg/m <sup>3</sup> (calculated-inhalable dust) 7.2 mg/m <sup>3</sup> (calculated-respirable dust)

### Limestone (total dust) (Additive for TPU95A Red) (1317-65-3)

#### Ireland - Occupational Exposure Limits

OEL (8 hours ref) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (respirable dust) 4 mg/m <sup>3</sup>
OEL (15 min ref) (mg/m <sup>3</sup> )	30 mg/m <sup>3</sup> (calculated) 12 mg/m <sup>3</sup> (calculated-total inhalable dust)

#### United Kingdom - Occupational Exposure Limits

WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable dust) 4 mg/m <sup>3</sup> (respirable dust)
WEL STEL (mg/m <sup>3</sup> )	30 mg/m <sup>3</sup> (calculated-inhalable dust) 12 mg/m <sup>3</sup> (calculated-respirable dust)

### Aluminium oxide (Additive for TPU95A White) (1344-28-1)

#### Ireland - Occupational Exposure Limits

Local name	Aluminium oxides
OEL (8 hours ref) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> total inhalable dust 4 mg/m <sup>3</sup> respirable dust
Regulatory reference	Chemical Agents Code of Practice 2020

#### United Kingdom - Occupational Exposure Limits

Local name	Aluminium oxides
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### Aluminium oxide (Additive for TPU95A White) (1344-28-1)

WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> inhalable dust 4 mg/m <sup>3</sup> respirable dust
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

### Exposure limit values for the other components

#### 8.1.2. Recommended monitoring procedures

Monitoring methods	
Monitoring methods	Refer to European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) or equivalent national standard(s). Refer to European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) or equivalent national standard(s). Refer to European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) or equivalent national standard(s).

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

Titanium dioxide (Additive for TPU95A White) (13463-67-7)	
<b>DNEL/DMEL (Workers)</b>	
Long-term - local effects, inhalation	1.25 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	700 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.184 mg/l
PNEC aqua (marine water)	0.0184 mg/l
PNEC aqua (intermittent, freshwater)	0.193 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	1000 mg/kg dwt
PNEC sediment (marine water)	100 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	100 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	100 mg/l

#### 8.1.5. Control banding

No additional information available

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### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Ventilation conditions (1 printer): Provide a good standard of general ventilation, not less than 2 air changes per hour (assumes a room volume of: 30 m<sup>3</sup>).

#### 8.2.2. Personal protection equipment

##### 8.2.2.1. Eye and face protection

<b>Eye protection:</b>			
None under normal use. In molten state: Wear eye protection			
Type	Use	Characteristics	Standard
Safety glasses with side shields	In molten state		EN 166

##### 8.2.2.2. Skin protection

<b>Skin and body protection:</b>	
None under normal use. In molten state: Wear suitable protective clothing	
Type	Standard
Long sleeved protective clothing	EN 13688

##### Hand protection:

None under normal conditions. Use insulated gloves when handling this material hot

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
In molten state: Chemically resistant protective gloves, Heat-resistant	Nitrile rubber (NBR)	6 (> 480 minutes)	>0.35		EN 374, EN 407

##### 8.2.2.3. Respiratory protection

<b>Respiratory protection:</b>			
None under normal use. In molten state: In case of insufficient ventilation, wear suitable respiratory equipment			
Device	Filter type	Condition	Standard
Air-Purifying Respirator (APR), disposable	Type B/P2		EN 140, EN 14387

##### 8.2.2.4. Thermal hazards

##### Thermal hazard protection:

Risk of thermal burns on contact with molten product. Hazardous vapours may be released. In molten state: Wear respiratory protection/heat resistant gloves.

#### 8.2.3. Other exposure controls

##### Environmental exposure controls:

Avoid release to the environment.

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### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Wash hands immediately after handling the product. Take off contaminated clothing and wash before reuse.

## SECTION 9: Physical and chemical properties

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

Physical state	: Solid
Colour	: Various colours
Appearance	: Filament
Odour	: Slight
Odour threshold	: Not available
Melting point	: 220 °C
Freezing point	: Not applicable
Boiling point	: Not available
Flammability	: Non flammable
Explosive properties	: Not explosive
Explosive limits	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: > 400 °C
Decomposition temperature	: > 230 °C
pH	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Water: Insoluble Organic solvent: Tetrahydrofuran, Dimethylformamide, 1-methyl-2-pyrrolidone (NMP), Dimethyl Sulphoxide, Pyridine: Soluble
Vapour pressure	: Not available
Density	: 1.22 g/cm <sup>3</sup>
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle size	: Not available
Particle size distribution	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

Oxidising properties : Non oxidizing

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). To avoid thermal decomposition, do not overheat.



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### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under fire conditions, hazardous fumes will be present: Carbon dioxide, Carbon monoxide, Nitrogen oxides, Hydrogen cyanide, Isocyanates.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Based on available data, the classification criteria are not met  
Acute toxicity (dermal) : Based on available data, the classification criteria are not met  
Acute toxicity (inhalation) : Based on available data, the classification criteria are not met

<b>TPU95A (Blue, Red, White, Black)</b>	
LD50 oral rat	> 5000 mg/kg

<b>Silicon dioxide (Additive for TPU95A Blue) (7631-86-9)</b>	
LD50 oral rat	> 5000 mg/kg (OECD 401 method)
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 5.01 mg/l (OECD 436 method)

<b>Limestone (total dust) (Additive for TPU95A Red) (1317-65-3)</b>	
LD50 oral rat	> 2000 mg/kg female
LD50 dermal rat	> 2000 mg/kg bodyweight male/female
LC50 Inhalation - Rat (Vapours)	> 3 mg/l/4h

<b>Aluminium oxide (Additive for TPU95A White) (1344-28-1)</b>	
LD50 oral rat	> 10000 mg/kg (OECD 401 method)
LC50 Inhalation - Rat (Vapours)	> 0.888 mg/l/4h

Skin corrosion/irritation : Based on available data, the classification criteria are not met  
Serious eye damage/irritation : Based on available data, the classification criteria are not met  
Respiratory or skin sensitisation : Based on available data, the classification criteria are not met  
Germ cell mutagenicity : Based on available data, the classification criteria are not met  
Carcinogenicity : Based on available data, the classification criteria are not met  
Reproductive toxicity : Based on available data, the classification criteria are not met

<b>Silicon dioxide (Additive for TPU95A Blue) (7631-86-9)</b>	
NOAEL (animal/male, F0/P)	1340 mg/kg bodyweight Mouse, oral (OECD 414 method)

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

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<b>Silicon dioxide (Additive for TPU95A Blue) (7631-86-9)</b>	
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	> 1 mg/mg <sup>3</sup> (OECD 413 method)
Additional information	Mineralisation and recipitation of sodium silicate NOEL oral rat 90 days 4000 - <9000 mg/kg bw/day (OECD 408 method)

<b>Limestone (total dust) (Additive for TPU95A Red) (1317-65-3)</b>	
NOAEL (subchronic, oral, animal/male, 90 days)	1000 mg/kg bw/day

Aspiration hazard : Based on available data, the classification criteria are not met

<b>TPU95A (Blue, Red, White, Black)</b>	
Viscosity, kinematic	Not applicable

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : Contains no substances identified as having endocrine disrupting properties

#### 11.2.2 Other information

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

<b>Titanium dioxide (Additive for TPU95A White) (13463-67-7)</b>	
LC50 fish 1	> 1000 mg/l

<b>Silicon dioxide (Additive for TPU95A Blue) (7631-86-9)</b>	
LC50 fish 1	5000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio (zebra-fish) [static]) Read-across CAS# 1318-02-1
EC50 Daphnia 1	7600 mg/l (Exposure time: 48 h - Species: Ceriodaphnia dubia) Read-across CAS# 1318-02-1
EC50 72h - Algae [1]	440 mg/l (Species: Pseudokirchneriella subcapitata) Read-across CAS# 1318-02-1

<b>Limestone (total dust) (Additive for TPU95A Red) (1317-65-3)</b>	
LC50 fish 1	> 100 mg/l
EC50 Daphnia 1	> 100 mg/l
ErC50 (algae)	> 14 mg/l (OECD 201 method)

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<b>Aluminium oxide (Additive for TPU95A White) (1344-28-1)</b>	
LC50 fish 1	114.97 mg/l

### 12.2. Persistence and degradability

<b>TPU95A (Blue, Red, White, Black)</b>	
Persistence and degradability	No additional information available.

<b>Titanium dioxide (Additive for TPU95A White) (13463-67-7)</b>	
Persistence and degradability	Not biodegradable.

<b>Limestone (total dust) (Additive for TPU95A Red) (1317-65-3)</b>	
Persistence and degradability	Substance is inorganic and therefore not subject to biodegradation.

### 12.3. Bioaccumulative potential

<b>TPU95A (Blue, Red, White, Black)</b>	
Bioaccumulative potential	No bioaccumulation expected.

<b>Titanium dioxide (Additive for TPU95A White) (13463-67-7)</b>	
Bioaccumulative potential	No bioaccumulation potential.

<b>Silicon dioxide (Additive for TPU95A Blue) (7631-86-9)</b>	
BCF fish 1	(no bioaccumulation expected)

<b>Limestone (total dust) (Additive for TPU95A Red) (1317-65-3)</b>	
Bioaccumulative potential	No bioaccumulation expected. (solid inorganic substance).

### 12.4. Mobility in soil

<b>Titanium dioxide (Additive for TPU95A White) (13463-67-7)</b>	
Mobility in soil	Low mobility

### 12.5. Results of PBT and vPvB assessment

<b>Component</b>	
Titanium dioxide (Additive for TPU95A White) (13463-67-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : Contains no substances identified as having endocrine disrupting properties

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Dispose of in accordance with relevant local regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

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### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)  
Contains no substance(s) listed on the REACH Candidate List  
Contains no substance(s) listed on REACH Annex XIV (Authorisation List)  
Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)  
Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

#### Indication of changes:

Contact details. Exposure controls/personal protection. Regulatory information. SDS EU format according to COMMISSION REGULATION (EU) 2020/878.

Training advice : Ensure staff are informed of and trained on the nature of exposure and basic actions to minimise exposure.

#### Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
SDS	Safety Data Sheet

Safety Data Sheet applicable for regions : IE - Ireland;GB - United Kingdom

Safety Data Sheet (SDS), EU - Ultimaker

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.