

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Prusament Resin Biobased60 Sapphire Blue

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

##### 1.2.1. Relevant identified uses

Main use category : Consumer use, Professional use  
Use of the substance/mixture : Resin for 3D printing

##### 1.2.2. Uses advised against

No additional information available

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

##### Distributor

Prusa Research a.s.  
Partyzánská 188/7A  
170 00 Praha  
Czech Republic  
T +420 222 263 718  
[info@prusa3d.cz](mailto:info@prusa3d.cz) - [www.prusa3d.cz](http://www.prusa3d.cz)

##### Manufacturer

Prusa Polymers a.s.  
Partyzanska 188/7A  
170 00 Prague 7  
Czech Republic  
T +420 222 263 718  
[info@prusa3d.cz](mailto:info@prusa3d.cz) - [www.prusa3d.cz](http://www.prusa3d.cz)

#### 1.4. Emergency telephone number

| Country        | Official advisory body  | Address                                  | Emergency number   | Comment                           |
|----------------|---|--|--|-----------------------------------|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital                            | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566 (Healthcare professionals-24/7)<br>+353 1 809 2166 (public, 8am - 10pm, 7/7) |                                   |
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital        | Dudley Road<br>B18 7QH                   | 0344 892 0111  | Only for healthcare professionals |
| United Kingdom | National Poisons Information Service<br>(Belfast Centre)<br>Royal Victoria Hospital | Grosvenor Road<br>BT12 6BA               | 0344 892 0111  | Only for healthcare professionals |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Skin sensitisation, Category 1 H317  
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation H335  
Hazardous to the aquatic environment – Acute Hazard, Category 1 H400  
Hazardous to the aquatic environment – Chronic Hazard, Category 1 H410  
Full text of H- and EUH-statements: see section 16

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

May cause an allergic skin reaction. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

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### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS07

GHS09

Signal word (CLP)

: Warning

Contains

: Isobornyl acrylate; Decanediol diacrylate; Tricyclodecane dimethanol diacrylate; Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate

Hazard statements (CLP)

: H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.  
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P261 - Avoid breathing vapours.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, eye protection/face protection.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P501 - Dispose of contents/container to an approved waste disposal plant.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

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 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier   | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|--|--|---------|--|
| Isobornyl acrylate                             | CAS-No.: 5888-33-5<br>EC-No.: 227-561-6<br>REACH-no: 01-2119957862-25  | 10 – 75 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>STOT SE 3, H335<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 |
| Decanediol diacrylate                          | CAS-No.: 13048-34-5<br>EC-No.: 235-922-4<br>REACH-no: 01-2120099812-46 | 10 – 75 | Skin Sens. 1, H317<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410  |
| Tricyclodecane dimethanol diacrylate           | CAS-No.: 42594-17-2<br>EC-No.: 255-901-3<br>REACH-no: 01-2120051112-76 | 10 – 75 | Skin Sens. 1B, H317<br>Aquatic Chronic 2, H411   |
| Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate | CAS-No.: 84434-11-7<br>EC-No.: 282-810-6<br>REACH-no: 01-2119987994-10 | 1 – 6   | Skin Sens. 1B, H317<br>Aquatic Chronic 2, H411   |

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : In case of doubt or persistent symptoms, consult always a physician.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice. Give oxygen or artificial respiration if necessary.         |
| First-aid measures after skin contact | : Take off contaminated clothing. Wash skin with plenty of water. Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water (for at least 15 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention. |
| First-aid measures after ingestion    | : Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician immediately.   |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : May cause respiratory irritation.    |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : May cause eye irritation.            |

#### 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   | : Foam. Dry powder. Carbon dioxide. Sand.                   |
| Unsuitable extinguishing media | : Use extinguishing media appropriate for surrounding fire. |

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

|  |  |
|--|--|
| Fire hazard                                      | : The inhalation of decomposition combustion products may result in health damage.<br>Polymerizes when exposed to heat or light. |
| Explosion hazard                                 | : Heating will cause a rise in pressure with a risk of bursting.   |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.   |

#### 5.3. Advice for firefighters

|                           |   |
|---------------------------|---|
| Firefighting instructions | : During the fire of the product, keep the safe distance, use suitable breathing protection (isolation device), or self-contained breathing apparatus. Prevent fire fighting water from entering the environment. On heating, there is a risk of bursting due to internal pressure build-up. Cool down the containers exposed to heat with a water spray. |
|---------------------------|---|

### SECTION 6: Accidental release measures

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

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

|                      |  |
|----------------------|--|
| Emergency procedures | : Evacuate unnecessary personnel. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Wear recommended personal protective equipment. Wear respiratory protection. |
|----------------------|--|

##### 6.1.2. For emergency responders

|                      |  |
|----------------------|--|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. |
|----------------------|--|

#### 6.2. Environmental precautions

Do not allow the mixture to enter into sewer, water system (underground water, surface water) or soil. Notify authorities if product enters sewers or public waters.

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

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Dispose in a safe manner in accordance with local/national regulations.

### 6.4. Reference to other sections

See Section 8 and 13 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Heating will cause a rise in pressure with a risk of bursting.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands and face immediately after handling this product, and once again before leaving the workplace. Take off contaminated clothing and wash it before reuse.

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

Technical measures : Comply with applicable regulations.

Storage conditions : Store in original container. Store in dry, cool, well-ventilated area. Store away from direct sunlight or other heat sources. Protect from light. Keep container tightly closed and away from heat, sparks and flame.

Storage temperature : 16 – 32 °C

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Provide local exhaust or general room ventilation.

#### 8.2.2. Personal protection equipment

##### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses with side shields. (EN 166)

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### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves. Material of gloves: Chloroprene rubber. Neoprene. Nitrile rubber gloves. Follow the glove manufacturer's specific recommendations when selecting the appropriate thickness, material, and permeability.

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Approved organic vapour respirator

### 8.2.2.4. Thermal hazards

#### Thermal hazard protection:

May polymerize on exposure to temperature rise.

### 8.2.3. Environmental exposure controls

#### Other information:

Do not eat, drink or smoke during use. Wash hands and other exposed areas with soap and water before leaving work. Do not breathe vapour/aerosol. Separate working clothes from town clothes. Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

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

|   |                                  |
|---|----------------------------------|
| Physical state                                  | : Liquid                         |
| Colour  | : Blue.                          |
| Odour   | : Not available                  |
| Odour threshold                                 | : Not available                  |
| Melting point                                   | : Not available                  |
| Freezing point                                  | : Not available                  |
| Boiling point                                   | : Not available                  |
| Flammability                                    | : Not available                  |
| Explosive properties                            | : Not explosive.                 |
| It does not have oxidising properties           | : Non oxidizing.                 |
| Explosion limits                                | : Not available                  |
| Lower explosion limit                           | : Not available                  |
| Upper explosion limit                           | : Not available                  |
| Flash point                                     | : 121 ± 5 °C                     |
| Auto-ignition temperature                       | : Not available                  |
| Decomposition temperature                       | : Not available                  |
| pH  | : Not available                  |
| Viscosity, kinematic                            | : Not available                  |
| Viscosity, dynamic                              | : 300 – 500 mPa·s                |
| Solubility                                      | : Not available                  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                  |
| Vapour pressure                                 | : Not available                  |
| Vapour pressure at 50°C                         | : Not available                  |
| Density   | : 1,04 g/cm <sup>3</sup> (20 °C) |
| Relative density                                | : 1,042                          |
| Relative vapour density at 20°C                 | : Not available                  |
| Particle characteristics                        | : Not applicable                 |

### 9.2. Other information

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

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

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### 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

The product is stable at normal handling and storage conditions.

#### 10.3. Possibility of hazardous reactions

Can polymerise exothermically if heated, exposed to air, sunlight or by addition of free radical initiators.

#### 10.4. Conditions to avoid

Heat. Direct sunlight. Light (daylight). Store at temperatures not exceeding 32 °C.

#### 10.5. Incompatible materials

Acids. Alkali metals. Strong oxidizing agents. Acid chlorides. Polymerization initiators. Peroxides.

#### 10.6. Hazardous decomposition products

In case of fire: Toxic fumes.

### 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

#### Isobornyl acrylate (5888-33-5)

LD50 oral rat 4350 mg/kg

LD50 dermal rabbit > 3000 mg/kg

#### Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate (84434-11-7)

LD50 oral rat > 5000 mg/kg

LD50 dermal rat > 2000 mg/kg

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

#### Isobornyl acrylate (5888-33-5)

OECD 429: Skin Sensitisation: Local Lymph Node Assay Skin sensitization

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.

#### Isobornyl acrylate (5888-33-5)

NOAEL (animal/male, F0/P) 100 mg/kg bodyweight (OCED 422)

NOAEL (animal/female, F1) 300 mg/kg bodyweight (OECD 415)

STOT-single exposure : May cause respiratory irritation.

#### Isobornyl acrylate (5888-33-5)

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure : Based on available data, the classification criteria are not met.

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

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### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

: 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 %

#### 11.2.2. Other information

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

| Isobornyl acrylate (5888-33-5)                              |   |
|---|---|
| LC50 - Fish [1]   | 0,704 mg/l (Danio rerio)                              |
| EC50 72h - Algae [1]  | 1,98 mg/l (Pseudokirchneriella subcapitata)           |
| NOEC chronic crustacea                                      | 0,092 mg/l (21 dní, Daphnia magna)                    |
| Decanediol diacrylate (13048-34-5)                          |   |
| LC50 - Fish [1]   | 0,1489 mg/l (Danio rerio, OECD 203)                   |
| EC50 - Crustacea [1]  | 0,3084 mg/l (Daphnia magna, OECD 202)                 |
| ErC50 algae   | 0,05 mg/l (Pseudokirchneriella subcapitata, OECD 201) |
| NOEC (chronic)  | 100 mg/l (21 days, Activated sludge)                  |
| Tricyclodecane dimethanol diacrylate (42594-17-2)           |   |
| LC50 - Fish [1]   | 1,65 mg/l (Danio rerio, OECD 203)                     |
| EC50 - Crustacea [1]  | 2,36 mg/l (Daphnia magna, OECD 202)                   |
| EC50 72h - Algae [1]  | 1,6 mg/l (Pseudokirchneriella subcapitata, OECD 201)  |
| Ethylphenyl(2,4,6-trimethylbenzoyl)phosphinate (84434-11-7) |   |
| LC50 - Fish [1]   | 1,89 mg/l (Danio rerio)                               |
| EC50 - Crustacea [1]  | 2,26 mg/l (Daphnia magna)                             |
| EC50 72h - Algae [1]  | 1,01 mg/l (Desmodesmus subspicatus)                   |

### 12.2. Persistence and degradability

| Prusament Resin Biobased60 Obsidian Black |                            |
|---|----------------------------|
| Persistence and degradability             | Not readily biodegradable. |
| Decanediol diacrylate (13048-34-5)        |                            |
| Biodegradation                            | 78,8 % 28 days, OECD 301 F |

### 12.3. Bioaccumulative potential

No additional information available

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### 12.4. Mobility in soil

#### Tricyclodecane dimethanol diacrylate (42594-17-2)

Organic Carbon Normalized Adsorption Coefficient (Log Koc) 3,61 (OECD 121)

### 12.5. Results of PBT and vPvB assessment

#### Prusament Resin Biobased60 Artic Blue

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

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : 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 %.

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations. Recycling is preferred to disposal or incineration. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.

Sewage disposal recommendations : Do not allow into drains or water courses.

Product/Packaging disposal recommendations : Handle uncleaned empty containers as full ones. 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>   |  |  |  |  |
| UN 3082   | UN 3082  | UN 3082  | UN 3082  | UN 3082  |
| <b>14.2. UN proper shipping name</b>  |  |  |  |  |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.   | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  | Environmentally hazardous substance, liquid, n.o.s.  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  |
| <b>Transport document description (ADR)</b>   |  |  |  |  |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isobornyl acrylate ; Decanediol diacrylate), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isobornyl acrylate ; Decanediol diacrylate), 9, III, MARINE POLLUTANT | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Isobornyl acrylate ; Decanediol diacrylate), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isobornyl acrylate ; Decanediol diacrylate), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isobornyl acrylate ; Decanediol diacrylate), 9, III |
| <b>14.3. Transport hazard class(es)</b>   |  |  |  |  |
| 9   | 9  | 9  | 9  | 9  |



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| ADR   | IMDG  | IATA  | ADN  | RID   |
|---|---|---|--|---|
|  |  |  |  |  |
| <b>14.4. Packing group</b>  |   |   |  |   |
| III   | III   | III   | III  | III   |
| <b>14.5. Environmental hazards</b>  |   |   |  |   |
| Dangerous for the environment: Yes  | Dangerous for the environment: Yes<br>Marine pollutant: Yes                       | Dangerous for the environment: Yes  | Dangerous for the environment: Yes   | Dangerous for the environment: Yes  |
| No supplementary information available  |   |   |  |   |

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : M6  
 Special provisions (ADR) : 274, 335, 375, 601  
 Limited quantities (ADR) : 5I  
 Excepted quantities (ADR) : E1  
 Packing instructions (ADR) : P001, IBC03, LP01, R001  
 Special packing provisions (ADR) : PP1  
 Mixed packing provisions (ADR) : MP19  
 Portable tank and bulk container instructions (ADR) : T4  
 Portable tank and bulk container special provisions (ADR) : TP1, TP29  
 Tank code (ADR) : LGBV  
 Vehicle for tank carriage : AT  
 Transport category (ADR) : 3  
 Special provisions for carriage - Packages (ADR) : V12  
 Special provisions for carriage - Loading, unloading and handling (ADR) : CV13  
 Hazard identification number (Kemler No.) : 90  
 Orange plates :



Tunnel restriction code (ADR) : -  
 EAC code : •3Z

#### Transport by sea

Special provisions (IMDG) : 274, 335, 969  
 Limited quantities (IMDG) : 5 L  
 Excepted quantities (IMDG) : E1  
 Packing instructions (IMDG) : LP01, P001  
 Special packing provisions (IMDG) : PP1  
 IBC packing instructions (IMDG) : IBC03  
 Tank instructions (IMDG) : T4  
 Tank special provisions (IMDG) : TP1, TP29  
 EmS-No. (Fire) : F-A  
 EmS-No. (Spillage) : S-F  
 Stowage category (IMDG) : A

#### Air transport

PCA Excepted quantities (IATA) : E1  
 PCA Limited quantities (IATA) : Y964  
 PCA limited quantity max net quantity (IATA) : 30kgG  
 PCA packing instructions (IATA) : 964

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|                                 |                         |
|---------------------------------|-------------------------|
| PCA max net quantity (IATA)     | : 450L                  |
| CAO packing instructions (IATA) | : 964                   |
| CAO max net quantity (IATA)     | : 450L                  |
| Special provisions (IATA)       | : A97, A158, A197, A215 |
| ERG code (IATA)                 | : 9L                    |

### Inland waterway transport

|                                   |                      |
|-----------------------------------|----------------------|
| Classification code (ADN)         | : M6                 |
| Special provisions (ADN)          | : 274, 335, 375, 601 |
| Limited quantities (ADN)          | : 5 L                |
| Excepted quantities (ADN)         | : E1                 |
| Carriage permitted (ADN)          | : T                  |
| Equipment required (ADN)          | : PP                 |
| Number of blue cones/lights (ADN) | : 0                  |

### Rail transport

|   |                           |
|---|---------------------------|
| Classification code (RID)   | : M6                      |
| Special provisions (RID)  | : 274, 335, 375, 601      |
| Limited quantities (RID)  | : 5L                      |
| Excepted quantities (RID)   | : E1                      |
| Packing instructions (RID)  | : P001, IBC03, LP01, R001 |
| Special packing provisions (RID)  | : PP1                     |
| Mixed packing provisions (RID)  | : MP19                    |
| Portable tank and bulk container instructions (RID)                     | : T4                      |
| Portable tank and bulk container special provisions (RID)               | : TP1, TP29               |
| Tank codes for RID tanks (RID)  | : LGBV                    |
| Transport category (RID)  | : 3                       |
| Special provisions for carriage – Packages (RID)                        | : W12                     |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW31              |
| Colis express (express parcels) (RID)                                   | : CE8                     |
| Hazard identification number (RID)                                      | : 90                      |

### 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

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

# Prusament Resin Biobased60 Sapphire Blue

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 15.1.2. National regulations

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP)

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Abbreviations and acronyms:

|         |   |
|---------|---|
| CAS-No. | Chemical Abstract Service number  |
| 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               |
| CLP     | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| DNEL    | Derived-No Effect Level   |
| EC50    | Median effective concentration  |
| ED      | Endocrine disrupting properties   |
| IATA    | International Air Transport Association   |
| IMDG    | International Maritime Dangerous Goods  |
| LC50    | Median lethal concentration   |
| LD50    | Median lethal dose  |
| OEL     | Occupational Exposure Limit   |
| PBT     | Persistent Bioaccumulative Toxic  |
| PNEC    | Predicted No-Effect Concentration   |
| 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  |

|                   |   |
|-------------------|---|
| Data sources      | : ECHA Guidance on the compilation of safety data sheets<br>ECHA C&L Inventory database. Supplier's safety documents.   |
| Training advice   | : Normal use of this product shall imply use in accordance with the instructions on the packaging. Provide SDS to employees. Follow general rules on handling chemical substances and/or mixtures.  |
| Other information | : 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. |

### Full text of H- and EUH-statements:

|                   |   |
|-------------------|---|
| Aquatic Acute 1   | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Eye Irrit. 2      | Serious eye damage/eye irritation, Category 2                     |
| H315              | Causes skin irritation.   |
| H317              | May cause an allergic skin reaction.                              |

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| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| H319                                | Causes serious eye irritation.   |
| H335                                | May cause respiratory irritation.  |
| H400                                | Very toxic to aquatic life.  |
| H410                                | Very toxic to aquatic life with long lasting effects.                                      |
| H411                                | Toxic to aquatic life with long lasting effects.   |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2  |
| Skin Sens. 1                        | Skin sensitisation, Category 1   |
| Skin Sens. 1B                       | Skin sensitisation, category 1B  |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |      |                    |
|---|------|--------------------|
| Skin Irrit. 2   | H315 | Calculation method |
| Eye Irrit. 2  | H319 | Calculation method |
| Skin Sens. 1  | H317 | Calculation method |
| STOT SE 3   | H335 | Calculation method |
| Aquatic Acute 1   | H400 | Calculation method |
| Aquatic Chronic 1   | H410 | Calculation method |

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.