

| SEC | TION 1: IDENTIFICATION | OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING | | | |
|-----|--|---|--|--|--|
| 1.1 | Product identifier | | | | |
| | Product name: | TPU | | | |
| | Other means of identification: | not available | | | |
| | Registration number: | not required, the product is a mixture, not a compound | | | |
| 1.2 | Relevant identified uses of t | he substance or mixture and uses advised against | | | |
| | Identified uses: | material for 3D-printing | | | |
| | Uses advised against: | not set | | | |
| 1.3 | Details of the supplier of the safety data sheet | | | | |
| | Distributor: | Zemědělské družstvo Haňovice | | | |
| | (responsible for marketing) | Haňovice 18 | | | |
| | | 783 21 Chudobín | | | |
| | | Czech Republic | | | |
| | | tel.: +420 585 100 308 | | | |
| | | e-mail: <u>info@plastymladec.cz</u> | | | |
| | | web: www.filament-pm.com | | | |
| | Competent person responsible for the safety data sheet: PharmDr. Vladimír Végh, PHARMIS, info@pharmis.cz | | | | |
| 1.4 | Emergency telephone numb | per | | | |
| | | re, Na Bojišti 1, Praha; 24-h non-stop: +420-224919293 / +420-224915402. sks: acute intoxications of people / animals. | | | |

SECTION 2: HAZARDS IDENTIFICATION

General classification of the mixture: the mixture is **not** classified as hazardous in compliance with Regulation (EC) 1272/2008. The mixture does not contain substances presenting a health or environmental hazard within the meaning of Regulation (EC) No. 1272/2008, with assigned a Community workplace exposure limit, classified as PBT/vPvB nor included in the Candidate List of Substances of very high Concerns (SVHC).

Compilation of the Safety Data Sheet is not required for this mixture; however this Safety Data Sheet provides important information on safety at work, storage, transport and other manipulation.

| 2.1 | Classification of the substance or mixture | | | | | | |
|-----|---|-----------------------------|--|--|--|--|--|
| | Classification in accordance with 1272/2008/EC: | not classified as hazardous | | | | | |
| 2.2 | Label elements | | | | | | |
| | Contains: | not required | | | | | |
| | Hazard pictograms: | not required | | | | | |
| | Signal word: | not required | | | | | |
| | Hazard statements: | not required | | | | | |
| | Supplemental hazard information: | not required | | | | | |
| | Supplemental label elements for certain mixtures: | | | | | | |
| | | not required | | | | | |
| | Precautionary statements: | not required | | | | | |
| | Other required labeling: | not required | | | | | |

SAFETY DATA SHEET conforms to Regulation EC No. 1907/2006 (REACH), Regulation EC No. 1272/2008 (CLP) and Commission Regulation EU No. 2020/878 Product name: TPU Page: Date of compilation/revision 22. 5. 2024 Version: 1.0 Replaces: - 2/10 -

2.3 Other hazards

Results of PBT and vPvB assessment: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII. No substances presented in the mixture at a concentration ≥ 0.1 % by weight are included in the Candidate List of SVHC.

No substances presented in the mixture at a concentration ≥ 0.1 % by weight are included in the list established in accordance with Article 59(1) for having endocrine disrupting properties; nor are they 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.

| Important health effects: | No adverse effects for human health are expected for the mixture under normal conditions of usage, the mixture is biologically inert. When melted, it can cause serious burns if contacted with skin and eyes. Ingestion of a small amount should not cause any troubles. Inhaling of loosen dust or potential decomposition products of melted/overheated mixture in high concentration can irritate moderately respiratory system and mucous membranes. |
|-------------------------------------|---|
| Important environmental effects: | No adverse effects in the environment are expected for the mixture. Within the environment the mixture underlies biological decomposition (biodegradable). |
| Important physico-chemical effects: | Not known. |

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product based on thermoplastic polyurethane (TPU) with additives.

3.1 Substances

does not apply

3.2 Mixtures

Substances presenting a health or environmental hazard within the meaning of the Regulation (EC) No. 1272/2008, assigned a Community/national workplace exposure limit, classified as PBT/vPvB or included in the Candidate List of SVHC, identified as having endocrine disruptive properties:

| Substance REACH Registration number | | | Classification 1272/2008/EC* | | Exposure limits | |
|-------------------------------------|---|---|---------------------------------|---|-----------------|---|
| - | - | - | - | - | - | ì |

^{*} For full wording of used classification abbreviations and Hazard Statements (H-phrases) see Section 16.

Other compounds

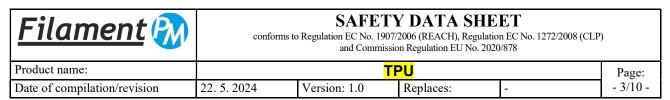
Other substances not presenting a health or environmental hazard within the meaning of Regulation (EC) No. 1272/2008, without a Community workplace exposure limit, not classified as PBT/vPvB nor included in the Candidate List:

| Substance REACH Registration number | | EC Number CAS Number Index Number | Classification 1272/2008/EC* | | Exposure limits |
|-------------------------------------|---|---|---------------------------------|---|-----------------|
| - | - | - | - | - | - |

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Health hazard is no minimal, being neither irritating, corrosive, volatile, nor toxic. Effects of over exposure: There are no hazards under normal use conditions. Observe all user considerations and safety measures stated on the packaging. In case of any health problem or uncertainty seek medical attention and provide information from this Material Safety Data Sheet. Unconscious persons place in the stabilized position and observe the breathing. Never give any fluids to unconscious persons. Be careful when manipulating hot products - danger of skin burns.



| | Inhalation: No adverse effects are expected under normal conditions of use. Direct inhalation exposs expected. Dust or potential decomposition products of melted/overheated mixture in high concentration can cause airway irritation. In this case remove the affected persons to a fruit For those providing assistance, avoid exposure to yourself or others. Use adequate respir protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek in medical assistance. If breathing has stopped, assist ventilation with a mechanical device mouth-to-mouth resuscitation. Call immediately medical emergency. | | | | | |
|-----|---|---|--|--|--|--|
| | Skin contact: No adverse effects are expected under normal conditions of use - no special requirements n In case of a skin contact with melted polymer do not remove it from the skin. Cool down th area with a stream of cold water and call the professional medical help. | | | | | |
| | Eye contact: No adverse effects are expected under normal conditions of use - no special requirements Dust or potential decomposition products of melted polymer can cause eye irritation. Seek advice if the eye irritation persists. Direct contact of eye with melted product can cause see damage. Seek professional medical help immediately. | | | | | |
| | Ingestion: | No adverse effects are expected under normal conditions of use - no special requirements needed. This type of exposure is not expected. | | | | |
| 4.2 | Most important symptoms and effects, both acute and delayed No adverse effects for human health are expected for the mixture under normal conditions of usage, the mixture is biologically inert. When melted, it can cause serious burns if contacted with skin and eyes. Ingestion of a small amount should not cause any troubles. Inhaling of loosen dust or potential decomposition products of melted/overheated mixture in high concentration can irritate moderately respiratory system and mucous membranes. | | | | | |

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

4.3

| Suitable extinguishing media: | water spray, alcohol resistant foam, dry-powder, carbon dioxide |
|---------------------------------|---|
| Unsuitable extinguishing media: | direct water stream - could spread fire |

5.2 Special hazards arising from the substance or mixture

Indication of any immediate medical attention and special treatment needed

No specific therapy known. Use supportive and symptomatic treatment.

Flammable. Incomplete combustion and thermolysis may produce toxic, irritating and flammable decomposition products (such as carbon monoxide, carbon dioxide, sooth, aldehydes, hydrogen cyanide; hydrocyanic acid, nitrogen oxides, isocyanate and other products of organic compounds decomposition). Do not inhale smokes.

5.3 Advice for fire-fighters

<u>Fire Fighting Procedures:</u> Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of re-ignition has passed. Fight fire from protected location or safe distance. Move container from fire area if this is possible without hazard. If possible, avoid leaked water to enter sewage system or environment.

Special Protective Equipment for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during firefighting operations. If contact is likely, change to full chemical resistant firefighting clothing with self-contained breathing apparatus. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections 6 and 8.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No special requirements are needed. Observe all user considerations and safety measures. All unprotected persons should be restraint. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

6.2 Environmental precautions

No special requirements are needed.

SAFETY DATA SHEET Filament 🕑 conforms to Regulation EC No. 1907/2006 (REACH), Regulation EC No. 1272/2008 (CLP) and Commission Regulation EU No. 2020/878 Product name: **TPU** Page: 22. 5. 2024 Version: $1.\overline{0}$ - 4/10 -Date of compilation/revision Replaces: Methods and materials for containment and cleaning up Collect mechanically. All storage vessels have to be labeled. Dispose according to valid legislation (see Section 13); recycle. 6.4 Reference to other sections Adhere to instructions in the section 8 and 13. **SECTION 7: HANDLING AND STORAGE** 7.1 Precautions for safe handling Observe all user considerations, safety measures and exposure limits. See Section 8 for advice on the minimum requirements for personal protective equipment. Avoid breathing decomposition products or loosened dust. Use only with adequate ventilation. Observe all fire protection measures (work with open flame is prohibited, remove all possible sources of ignition, smoking is prohibited). During the product's thermal treatment small amounts of volatile organic compounds may be released. Thus suction and discharge of these emissions must be locally secured. Dust from the product represents a potential explosion hazard and as such it must be continuously removed. All devices must be properly grounded. 7.2 Conditions for safe storage, including any incompatibilities Store in a cool, dry place, protected from the weather with adequate ventilation. Keep dry. Protect from atmospheric moisture. Protect from direct sunlight, heat sources and ignition. 7.3 Specific end uses material for 3D-printing **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION** 8.1 **Control parameters** Indicative occupational exposure limit EU: not set CAS Substance name Indicative occupational exposure limit National work-place / occupational exposure limits (only selected lands are displayed): CAS Substance name Occupational exposure limits

Czech republic

OEL - equivalents

S - the substance has a sensitising effect.

I - irritates mucous membranes (eyes, respiratory tract) or skin (Government Regulation no. 361/2007 Coll.)

PEL: NPEL-P: 0.05 mg.m^{-3}

 0.1 mg.m^{-3}

101-68-8

CAS

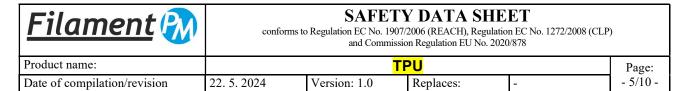
4,4'-Methylenediphenyl diisocyanate*

* The substances mentioned are contained only in traces in the product.

Indicative biological limits: not set

Other recommended values: not set

Substance name



Derived No Effect Level (DNEL): not available for the mixture.

Predicted No Effect Concentration (PNEC): not available for the mixture.

8.2 Exposure controls

Appropriate engineering controls:

Avoid contact with skin, eyes and mucous membranes. Avoid prolonged or repeated contact with skin. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Individual protection measures, such as personal protective equipment:

a) Eye / face protection

No special requirements are needed under normal conditions of usage. Avoid contact with eyes. If risk of eye contact exists, use safety glasses with side shields (EN 166).

b) Skin protection:

No special requirements are needed under normal conditions of usage. When manipulating with heated/hot material use heat isolating gloves made of para-aramid/carbon with thermal isolation up to 270°C and forearm protection. Example of recommended gloves: KCL, Karbo TECT with leather forearm cuffs, with thermal isolation up to 350°C.

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier. Immediately change damaged gloves

c) Respiratory protection:

No special requirements are needed under normal use conditions. Ensure appropriate ventilation or exhaustion at the workplace. Do not inhale decomposition products from overheated product or dust produced by mechanical operations. If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: half-face particle filter respirator, type P1 or FFP1 filter (European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 (EN 14387+A1) provide filter recommendations).

d) Thermal hazards:

No such risk when normally used.

Environmental exposure controls:

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions. All storage and manipulation are have to be equipped for the sanation of possible leakage. See information in sections 6 and 12.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| Properties | value | method / condition |
|---|--------------------------------------|--------------------|
| Physical state: | solid wire | 20°C |
| Colour: | various / according to specification | - |
| Odour: | no odour | - |
| Melting point/freezing point: | > 120°C | - |
| Boiling point/range or initial boiling point: | information not available | - |
| Flammability: | non-flammable | 92/69/EEC, A.10 |
| Upper/lower flammability or explosive limits: | information not available | - |



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| | Flash point: | > 400°C | - |
|-----|---|---------------------------|--------------------|
| | Auto-ignition temperature: | information not available | - |
| | Decomposition temperature: | > 230°C | - |
| | pH: | information not available | - |
| | Kinematic viscosity: | information not available | - |
| | Solubility: | insoluble in water | water, 20°C |
| | Partition coefficient: n-octanol/water: | information not available | - |
| | Vapour pressure: | information not available | - |
| | Density and/or relative density: | 1,15 g/cm ³ | 20°C, ISO 1183-1-A |
| | Relative vapour density: | information not available | - |
| | Particle characteristics: | not applicable | - |
| 9.2 | Other information | | |
| | Explosive properties: | no explosive properties | - |
| | Oxidising properties: | no oxidative properties | - |

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive under normal conditions of storage and manipulation.

10.2 Chemical stability

Mixture is chemically stable under normal conditions of storage and manipulation. Overheating may cause thermal decomposition.

10.3 | Possibility of hazardous reactions

Not known.

10.4 | Conditions to avoid

Keep dry. Protect from atmospheric moisture.

10.5 | Incompatible materials

Not known.

10.6 Hazardous decomposition products

Material does not decompose at ambient temperatures. Incomplete combustion and thermolysis may produce toxic, irritating and flammable decomposition products (such as carbon monoxide, carbon dioxide, sooth, aldehydes, hydrogen cyanide; hydrocyanic acid, nitrogen oxides, isocyanate and other products of hydrocarbons decomposition).

SECTION 11: TOXICOLOGICAL INFORMATION

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

No adverse effects for human health are expected for the mixture under normal conditions of usage, the mixture is biologically inert.

a) Acute toxicity

Based on available data, the classification criteria are not met. Based on composition, the mixture has low acute toxicity and no adverse effects for human health are expected under applicable conditions of exposure.

LD50 rat (oral): > 5000 mg/kg

b) Skin corrosion/irritation

Based on available data, the classification criteria are not met. The mixture has no direct corrosive / irritating properties. Melted product may cause serious burns following the contact with the skin.

c) | Serious eye damage/irritation

Based on available data, the classification criteria are not met. The mixture has no direct corrosive / irritating properties. Melted product may cause serious burns following the contact with the eyes.

<u>Filament</u>

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| d) | 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. |
| f) | Carcinogenicity |

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

g) Reproductive toxicity
Based on available data, the classification criteria are not met.

h) STOT-single exposure

Based on available data, the classification criteria are not met. Inhalation of dust loosened dust during manipulation can mechanically irritate airways. However, these effects do not require classification.

i) STOT-repeated exposure

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

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

11.2 Information on other hazards

Endocrine disrupting properties

No substances presented in the mixture at a concentration ≥ 0.1 % by weight are included in the list established in accordance with Article 59(1) for having endocrine disrupting properties; nor are they 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.

Other information Not available.

SECTION 12: ECOLOGICAL INFORMATION

No adverse effects in the environment are expected for the mixture; the mixture is biologically almost inert.

12.1 Toxicity

No data measured for the mixture. No adverse effects in the environment are expected for the mixture; the mixture is almost biologically inert.

12.2 Persistence and degradability

Within the environment the mixture underlies biological decomposition (biodegradable).

12.3 Bioaccumulative potential

The mixture has no bioaccumulative potential.

12.4 Mobility in soil

No data for the mixture. Insoluble in water, mobility in soil is not expected.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII; the substances in the mixture are not included in the Candidate List of SVHC

12.6 Endocrine disrupting properties

No substances presented in the mixture at a concentration ≥ 0.1 % by weight are included in the list established in accordance with Article 59(1) for having endocrine disrupting properties; nor are they 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.

12.7 Other adverse effects

Not known.



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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

It is recommended to dispose all rests in authorized dangerous waste facility. Disposal has to comply all local legal requirements on wastes.

Substance or mixture disposal methods:

Dispose in accordance with the valid waste legislation. Do not dispose as a common household waste. Dispose in a certified waste facility / recycle. According to the European Waste Catalogue waste codes are not specific for product, but for its use. Therefore, appropriate waste code should assign final user according to his specific use.

Proposed waste classification, based on the most common use:

07 Wastes from Organic Chemical Processes

07 02 wastes from the MFSU of plastics, synthetic rubber and man-made fibres

Waste type name: waste plastic Waste catalog code: 07 02 13

Hazardous waste: no

Packages disposal methods:

Recycle empty packages.

Proposed waste classification, based on the most common use:

15 Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified

15 01 packaging (including separately collected municipal packaging waste) Waste type name: paper and card board packaging / plastic packaging

Waste catalog code for empty package: 15 01 01 / 15 01 02

Dangerous waste: no

SECTION 14: TRANSPORT INFORMATION

| 14.1 | 1 UN Number or ID Number: - | | | | | | | |
|------|---------------------------------------|--------------------|---------------------------|-------------------------|--|--|--|--|
| 14.2 | UN proper shipping name | | | | | | | |
| | Road transport ADR | Rail transport RID | Int. maritime trans. IMDG | Air transport ICAO/IATA | | | | |
| | - | - | - | - | | | | |
| 4.3 | Transport hazard class(e | es) | | | | | | |
| | Road transport ADR | Rail transport RID | Int. maritime trans. IMDG | Air transport ICAO/IATA | | | | |
| | - | - | - | - | | | | |
| | Classification code | | | | | | | |
| | - | - | - | - | | | | |
| | Hazard identification number (Kemler) | | | | | | | |
| | - | - | - | - | | | | |
| | Labels | 1 | | 1 | | | | |
| | - | - | - | - | | | | |
| | Other remarks | | | | | | | |
| | - | - | - | - | | | | |
| 14.4 | Packing group | | | | | | | |
| | Road transport ADR | Rail transport RID | Int. maritime trans. IMDG | Air transport ICAO/IATA | | | | |
| | - | - | - | - | | | | |

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|------|--|------------------------------|---------------------------------|------------------------------|-------------------------------|-----------------|--|--|
| 14.5 | Environmental hazards: n | o | | | | | | |
| 14.6 | Special precautions for user: not required | | | | | | | |
| 14.7 | Maritime transport in bulk according to IMO instruments: not transported | | | | | | | |
| 14.7 | marking transport in burk according to 1910 instruments. not transported | | | | | | | |
| SEC | TION 15: REGULATORY | INFORMATION | | | | | | |
| 15.1 | Safety, health and environ | mental regulations/ | legislation specific f | or the substance or | mixture | | | |
| | Relevant legislation European | n Union: | | | | | | |
| | - Regulation (EC) No 1907/2006 of (REACH) | the European Parliament ar | nd of the, concerning the Re | egistration, Evaluation, Aut | horization and Restriction of | of Chemicals | | |
| | - Regulation EC No 1272/2008 of the mixtures, amending and repealing | | | | | substances and | | |
| | - Commission Regulation (EU) 202 concerning the Registration, Evalu | | | | e European Parliament and | of the Council | | |
| | - Commission Directive 2000/39/E0 Directive 98/24/EC on the protecti | | | | | Council | | |
| | - Commission Directive 2006/15/EO Directive 98/24/EC and amending | | | tive occupational exposure | limit values in implementa | tion of Council | | |
| | - Commission Directive 2009/161/E Council Directive 98/24/EC and an | | | cative occupational exposu | re limit values in implemen | tation of | | |
| | - Commission Directive (EU) 2017/ Directive 98/24/EC | 164 of 31 January 2017 esta | ablishing a fourth list of indi | cative occupational exposu | re limit values pursuant to | Council | | |
| | - Commission Directive (EU) 2019/ Directive 98/24/EC and amending | | | cative occupational exposu | re limit values pursuant to 0 | Council | | |
| | - Directive 2004/37/EC of the Europ carcinogens or mutagens at work | oean Parliament and of the G | Council of 29 April 2004 on | the protection of workers f | rom the risks related to exp | osure to | | |
| | - European Waste Catalogue | | | | | | | |
| | - Council Directive 1999/13/EC of activities and installations | 11 March 1999 on the limita | ation of emissions of volatile | e organic compounds due to | the use of organic solvents | s in certain | | |
| | - Regulation (EU) No 526/2013 of t Information Security (ENISA) and | | | 2013 concerning the Europ | ean Union Agency for Netv | vork and | | |
| | Restrictions on the manufarticles: none | acture, placing on t | he market and use o | f certain dangerous | s substances, mixtu | res and | | |
| | Designation of the substanc or of the mixture | e, of the group of sub | ostances | Conditions of restr | riction | | | |
| | - | | | - | | | | |
| | | | | | | | | |
| 15.2 | Chemical safety assessmer | nt | | | | | | |
| | Chemical safety assessment | | | | | | | |
| SEC | CTION 16: OTHER INFORMATION | | | | | | | |
| a) | Changes made to the previous version of the safety data sheet Not applicable, first edition - version 1.0 | | | | | | | |
| | Key or legend to abbreviations and acronyms used in the safety data sheet Exp. lim. Exposure limit NPEL The highest permissible exposure limit (Slovak Republic) | | | | | | | |

The highest permissible exposure limit (Czech Republic)

Substances persistent, bioacumulative and toxic

Substances very persistent and very bioacumulative

Occupational exposure limit

Volatile organic compound

Derived No Effect Level

PEL

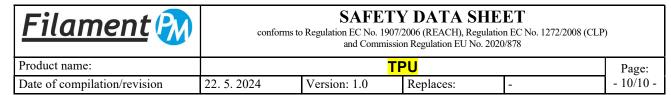
OEL

PBT

vPvB

VOC

DNEL



| | PNEC | Predicted No Effect Concentration | |
|----|---|---|--|
| | BW | Body weight | |
| | LD50 | Median lethal Dose | |
| | LC50 | Median lethal concentration | |
| | EC50 | Half maximal effective concentration | |
| | IC50 | Half maximal inhibitory concentration | |
| | ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road | |
| | RID | International Rule for Transport of Dangerous Substances by Railway | |
| | IMDG | International Maritime Dangerous Goods Code | |
| | ICAO | International Civil Aviation Organization | |
| | IATA | International Air Transport Association | |
| c) | Key literature references and sources for data No information | | |
| d) | Methods of evaluating information used for the purpose of classification The substance was classified by expert judgment and conventional calculations methods in accordance with the Regulation EC No. 1272/2008 (CLP). | | |
| e) | Full wording of used Hazard Statements (H-phrases) not used | | |
| f) | Advice on any training appropriate for workers Before handling, storing or using the present substance for the first time, employees must be informed - common training for handling chemicals, occupational safety training. | | |
| g) | Safety Data Sheet (No. 1272/2008 (CL occupational health is accurate to the be supplied and may n | er information ety Data Sheet (SDS) is compiled in accordance with the Regulation EC No. 1907/2006 (REACH), Regulation EC 1272/2008 (CLP) and Commission Regulation EU No. 2020/878; and contains information on safety use, upational health protection, and environmental protection. The information contained herein is given in good faith and courate to the best of knowledge at the date indicated above. This particular information applies on the product as oblied and may not be valid in mixtures with other substances. If used for other purposes as identified in this SDS, the ributor is not liable for any damage. | |
| | The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfill his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned. | | |
| | Compiled: PharmD | Compiled: PharmDr. Vladimír Végh, PHARMIS, <u>www.pharmis.cz</u> | |