

conforms to Regulation EC No. 1907/2006 (REACH), Regulation EC No. 1272/2008 (CLP) and Commission Regulation EU No. 2015/830

Product name:	PVA filament					
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1.1	Product identifier						
	Product name:	PVA filament					
	Other means of identification:	not available					
	Registration number:	not required, the product is a mixture, not a compound					
1.2	Relevant identified uses of the substance or mixture and uses advised against						
	Identified uses:	material for 3D-printing, water-soluble					
	Uses advised against:	not set					
1.3	Details of the supplier of th	e safety data sheet					
	Distributor: (responsible for marketing)	Zemědělské družstvo Haňovice Haňovice 18 783 21 Chudobín Czech Republic tel.: +420 585 100 308 e-mail: info@plastymladec.cz web: www.filament-pm.com					
	Competent person responsible	ible for the safety data sheet: PharmDr. Vladimír Végh, PHARMIS, info@pharmis.sk					
1.4	Emergency telephone num	ber					
	Information only on health ri	tre, Na Bojišti 1, Praha; 24-h non-stop: +420-224919293 / +420-224915402.					
	Information only on health ri	IFICATION					
	Information only on health ri	IFICATION					
	Information only on health ri  TION 2: HAZARDS IDENTI  eral classification of the mixture  Important	PICATION  e: the mixture <b>is not</b> classified as hazardous in compliance with Regulation (EC) 1272/2008.  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					
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Gene	Information only on health ri  TION 2: HAZARDS IDENTI  Tral classification of the mixture  Important health effects:  Important environmental effects:  Classification of the substant  Classification in accordance	FICATION  e: the mixture is not classified as hazardous in compliance with Regulation (EC) 1272/2008.  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.  No adverse effects in the environment are expected for the mixture. The mixture is soluble in water, biologically inert degradable.  nce or mixture					
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Gene	Information only on health ri  TION 2: HAZARDS IDENTI  Tral classification of the mixture Important health effects:  Important environmental effects:  Classification of the substant Classification in accordance with 1272/2008/EC: Label elements Contains:	IFICATION  e: the mixture is not classified as hazardous in compliance with Regulation (EC) 1272/2008.  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.  No adverse effects in the environment are expected for the mixture. The mixture is soluble in water, biologically inert degradable.  nce or mixture  not classified as hazardous					
	Information only on health ri  TION 2: HAZARDS IDENTI  Tral classification of the mixture Important health effects:  Important environmental effects:  Classification of the substant Classification in accordance with 1272/2008/EC:  Label elements  Contains: Hazard pictograms:	IFICATION  e: the mixture is not classified as hazardous in compliance with Regulation (EC) 1272/2008.  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.  No adverse effects in the environment are expected for the mixture. The mixture is soluble in water, biologically inert degradable.  not classified as hazardous  not required  not required					



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Supplemental label elements for certain mixtures:	not required
Precautionary statements:	not required
Other required labeling:	not required

## 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 of the mixture in the amount of  $\geq 0.1$  % are included in the Candidate List of Substances of very high concerns (SVHC).

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Product based on polyvinylalcohol with additives.

# 3.1 Substances does not apply

## 3.2 Mixtures

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

Substance REACH Registration number	Content (% w/w)	EC Number CAS Number Index Number	Classification 1272/2008/EC*		Exposure limits
methanol <i>REACH 01-2119433307-44-XXXX</i>		67-56-1 603-001-00-X	Acute Tox. 3 Acute Tox. 3	H331	Exp. limit (EU/nat.) see 8.1

<sup>\*</sup> For full wording of used classification abbreviations and Hazard Statements (H-phrases) see Section 16.

## Specific concentration limits according to 1272/2008 Annex VI Table 3.1

methanol

C ≥ 10 %	STOT SE 1; H370
$3\% \le C < 10\%$	STOT SE 2; H371

## 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 or included in the Candidate List:

Substance REACH Registration number	Content (% w/w)	EC Number CAS Number Index Number	Classification 1272/2008/EC*	Exposure limits
polyvinylalcohol REACH not available yet	< 100	1 2	not classified as hazardous	-

## **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



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	unconscious pers	sons. Be careful when manipulating hot products - danger of skin burns.
	Inhalation:	No adverse effects are expected under normal conditions of use. Direct inhalation exposure is not 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 fresh air. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation. Call immediately medical emergency.
	Skin contact:	No adverse effects are expected under normal conditions of use - no special requirements needed. In case of a skin contact with melted polymer do not remove it from the skin. Cool down the burnt 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 needed. Dust or potential decomposition products of melted polymer can cause eye irritation. Seek medical advice if the eye irritation persists. Direct contact of eye with melted product can cause serious eye 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.
.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.

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

No specific therapy known. Use supportive and symptomatic treatment.

## **SECTION 5: FIREFIGHTING MEASURES**

### 5.1 Extinguishing media

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

Flammable. Incomplete combustion and thermolysis may produce toxic, irritating and flammable decomposition products (such as carbon monoxide, carbon dioxide, sooth, aldehydes and other products of organic compounds decomposition). Do not inhale smokes.

#### 5.3 **Advice for fire-fighters**

Fire Fighting Procedures: 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**



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No special requirements are needed.



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## 6.3 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

Observe all fire protection measures (work with open flame is prohibited, remove all possible sources of ignition, smoking is prohibited). Keep away from direct sunlight and heat sources.

## 7.3 Specific end uses

material for 3D-printing

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

## 8.1 Control parameters

Indicative occupational exposure limit ES (2000/39/EC, Directive 2006/15/EC, Directive 2009/161/EC and Directive 2017/164/EC): not set

CAS	Substance name	Indicative occupational exposure limit		
67-56-1	methanol	OEL mean (time-weighted 8 h): 260 mg.m <sup>-3</sup> / 200 ppm OEL short term (15 min): - Notation: skin		

National work-place / occupational exposure limits (only selected lands are displayed):

CAS	Substance name	Occupational exposure limits
-	polyvinylalcohol as: polymeric materials dust	Czech republic PELc 5.0 mg.m <sup>-3</sup> (Government Regulation no. 361/2007 Coll.)
67-56-1	methanol	Czech republic PEL: 250 mg.m <sup>-3</sup> NPEL-P: 1000 mg.m <sup>-3</sup> D - absorbed through skin Government Regulation no. 361/2007 Coll.  Slovakia NPEL mean: 200 ppm / 260 mg.m <sup>-3</sup> NPEL short-term: 300 ppm / 500 mg.m <sup>-3</sup> NPEL short-term: 300 ppm / 500 mg.m <sup>-3</sup> Note K - may be absorbed through skin Regulation 300/2007 Coll. (SK), Appendix 1  Germany AGW - time weighted mean: 200 ppm / 270 mg.m <sup>-3</sup> Short-term factor: 4 (II) TRGS-900



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				United Kin TWA: STEL:	ngdom	200 ppm / 266 mg.m <sup>-3</sup> 250 ppm / 333 mg.m <sup>-3</sup>
				France TWA: STEL:		200 ppm / 260 mg.m <sup>-3</sup> 1000 ppm / 1300 mg.m <sup>-3</sup>
	e biological l		n no. 432/2003 Col	l. )		
Compoun	nd .	Marker	Limit value	es		Sampling
methanol		methanol	15 mg/l		0,47 mmol/1	end of shift
		1				
		values: not set		ı		
CAS	Substan	ісе пате		OEL - equ	iivalents	
_	-			-		
Worl Worl Worl Cons Cons Cons Cons Cons Cons Cons Cons	kers, Skin co kers, Inhalati kers, Inhalati kumers, Skin kumers, Inhal kumers, Inhal kumers, Inhal kumers, Inhal kumers, Inhal kumers, Inhal	on, Acute systemic ntact, Long-term syson, Long-term loc contact, acute local estion, acute local estion, acute system contact, long-term system, long-term system, long-term system, long-term system, long-term long-term long, long-term long-term long, long, long-term long, long, long-term long, long, long-term long, long	ystemic effects temic effects al effects effects effects ffects nic effects a systemic effects ystemic effects stemic effects stemic effects	2 2 2 8 5 8 5 8 8	260 mg/m³ 260 mg/m³ 260 mg/m³ 40mg/kg BW/d 260 mg/m³ 260 mg/m³ 8mg/kg BW/d 60 mg/m³	
PNEC: no	ot available f	for the mixture.				
Fresh Fresh	ne water n water n water sedin			1 1 5	23.5 mg/kg 15.4 mg/l 154 mg/l 570.4 mg/kg	
Onsi	te sewage tre	eatment plant		1	00 mg/kg	

## 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.

<u>Individual protection measures</u>, such as personal protective equipment:

a) Eye / face protection



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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 FFP1filter (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
Appearance:	solid wire	20°C
Colour:	colourless	-
Odour:	no odour	-
Odour threshold:	information not available	-
pH:	information not available	-
Melting point/freezing point:	215 - 235°C	-
Initial boiling point and boiling range:	information not available	-
Flash point:	information not available	-
Evaporation rate:	information not available	-
Flammability (solid, gas)	information not available	-
Upper/lower flammability or explosive limits:	information not available	-
Vapour pressure:	information not available	-
Vapour density:	information not available	-
Relative density:	1,19 g/cm <sup>3</sup>	ISO 1183/B
Solubility/ies:	soluble in water	water, 20°C



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	Partition coefficient: n-octan	ol/water:	information n	 ot available		-	
			information n	information not available		-	
	Decomposition temperature:		information n	information not available -			
			information n	information not available -			
	Explosive properties:		no explosive	no explosive properties -		-	
			no oxidative p	no oxidative properties -		-	
9.2							
	vicat softening temperature:		90°C	90°C		ISO 306	
	heat deflection temperature:		85°C	85°C		ISO 75	
SECT	TION 10: STABILITY AND	REACTIVITY					
10.1	Reactivity Not reactive under normal co	onditions 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 Not known.						
10.5	Incompatible materials Strong oxidative substances. Strong acids.						
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 and other products of hydrocarbons decomposition).						
SECT	ION 11: TOXICOLOGICA	L INFORMATION					
11.1	Information on toxicologic: No adverse effects for human biologically inert.		d for the mixture u	nder normal condition	ons of us	age, the mixtu	ıre is
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.						
<i>b</i> )	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.						
d)	Respiratory or skin sensitisation Based on available data, the classification criteria are not met.						
<i>e</i> )	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.



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



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*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.

## **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, it is almost inert material with a very slow decomposition.

## 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

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 of the mixture in the amount of  $\geq 0.1$  % are included in the Candidate List of Substances of very high concerns (SVHC).

## 12.6 Other adverse effects

not known

## **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



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SECTION 14: TRANSPORT INFORMATION						
The su	ubstance is not classified as	s dangerous for transport accor	rding to ADR/RID/IMDG/ICAO/IA	ATA.		
14.1	UN Number: -					
14.2	UN proper shipping name					
	Road transport ADR	Rail transport RID	Int. maritime trans. IMDG	Air transport ICAO/IATA		
	-	-	-	-		
14.3	Transport hazard class(	es)				
	Road transport ADR	Rail transport RID	Int. maritime trans. IMDG	Air transport ICAO/IATA		
	-	-	-	-		
	Classification code					
	-	-	-	-		
	Hazard identification nu	ımber (Kemler)				
	-	-	-	-		
Labels						
	-	-	-	-		
	Other remarks					
	-	-	-	-		
14.4	14.4 Packing group					
	Road transport ADR	Rail transport RID	Int. maritime trans. IMDG	Air transport ICAO/IATA		
	-	-	-	-		
14.5	Environmental hazards: no					
14.6	Special precautions for user: not required					
14.7	Transport in bulk according to Annex II of MARPOL and the IBC Code: not transported					

## **SECTION 15: REGULATORY INFORMATION**

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

Relevant legislation of European Union:

- Regulation (EC) No 1907/2006 of the European Parliament and of the , concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council
  on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
- Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC
- Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC
- Commission Directive (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC



conforms to Regulation EC No. 1907/2006 (REACH), Regulation EC No. 1272/2008 (CLP) and Commission Regulation EU No. 2015/830

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	Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:					
	Designation of the of the mixture	e substance, of the group of substances or	Conditions of restriction			
	methanol REACH 01-21194	133307-44-XXXX	Regulation EC 1907/2006, Annex XVII, Item 3 Regulation EC 1907/2006, Annex XVII, Item 40			
15.2	Chemical safety assessment Chemical safety assessment not carried yet					
SECT	TION 16: OTHER	INFORMATION				
<i>a</i> )		the previous version of the safety data sheets est edition - version 1.0	rt .			
	Key or legend to abbreviations and acronyms used in the safety data sheet  Acute Tox. 3 Acute toxicity, category 3  STOT SE 1 Specific target organ toxicity - single exposure, category 1  STOT SE 2 Specific target organ toxicity - single exposure, category 2					
	Exp. lim. NPEL PEL OEL PBT vPvB VOC DNEL PNEC BW LD50 LC50 EC50 IC50 ADR RID IMDG ICAO IATA	The highest permissible exposure limit (Slovak Republic) The highest permissible exposure limit (Czech Republic) Occupational exposure limit Substances persistent, bioacumulative and toxic Substances very persistent and very bioacumulative Volatile organic compound Derived No Effect Level C Predicted No Effect Concentration Body weight Median lethal Dose Median lethal concentration Half maximal effective concentration Half maximal inhibitory concentration European Agreement concerning the International Carriage of Dangerous Goods by Road International Rule for Transport of Dangerous Substances by Railway G International Civil Aviation Organization				
c)	No information The second seco					
<i>d</i> )	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 us H225 H301 H311 H331 H332 H370 H371	sed Hazard Statements (H-phrases) Highly flammable liquid and vapour. Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Harmful if inhaled. Causes damage to organs. May cause damage to organs.				



conforms to Regulation EC No. 1907/2006 (REACH), Regulation EC No. 1272/2008 (CLP) and Commission Regulation EU No. 2015/830

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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) Other information

Safety Data Sheet (SDS) is compiled in accordance with the Regulation EC No. 1907/2006 (REACH), Regulation EC No. 1272/2008 (CLP) and Commission Regulation EU No. 2015/830; and contains information on safety use, occupational health protection, and environmental protection. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. This particular information applies on the product as supplied and may not be valid in mixtures with other substances. If used for other purposes as identified in this SDS, the distributor 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.

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