# SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation

PVA-M

of the mixture

Registration number

Synonyms None.

Issue date 16-May-2019

Version number 01

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

Identified uses3D printer filamentUses advised againstNone known.1.3. Details of the supplier of the safety data sheet

**Supplier** 

Company name MCPP Netherlands BV

Address Grasbeemd 19, 5705DE Helmond, The Netherlands

Telephone +31 (0)492 210 210 (Office hours Mo. - Fr. 8:30 - 17:00)

Contact person Product Compliance

e-mail product.compliance@mcpp-europe.com

1.4. Emergency telephone

number

+31 (0)30 274 8888, only for the doctor

National Poison Information Center Utrecht, The Netherlands

#### **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Hazard summary Not available.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms None.
Signal word None.

**Hazard statements** The mixture does not meet the criteria for classification.

**Precautionary statements** 

PreventionNot available.ResponseNot available.StorageNot available.DisposalNot available.

Supplemental label information None.

**2.3. Other hazards** Not a PBT or vPvB substance or mixture.

### **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

## **General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Polyvinyl alcohol compound	80 - < 90	Proprietary	-	-	

Classification: -

Material name: PVA-M

SDS EU

1/10

Chemical name % CAS-No. / EC No. REACH Registration No. Index No. Notes 67-56-1 methanol (impurity) 603-001-00-X < 1

200-659-6

Classification: Flam. Liq. 2;H225, Acute Tox. 3;H301, Acute Tox. 3;H311, Acute Tox. 3;H331, STOT

SE 1;H370

Other components below reportable 10 - < 20

levels

**Composition comments** The full text for all H-statements is displayed in section 16.

**SECTION 4: First aid measures** 

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

4.1. Description of first aid measures

Inhalation Not likely, due to the form of the product. If exposed to excessive levels of dusts or fumes, remove

to fresh air and get medical attention if cough or other symptoms develop.

If burned by contact with hot material, cool molten material adhering to skin as quickly as possible Skin contact

with water, and see a physician for removal of adhering material and treatment of burn. Do not

peel polymer from the skin.

Not likely, due to the form of the product. If hot product contacts eye, flush with water for at least Eye contact

15 minutes and seek medical attention immediately.

Ingestion Not likely, due to the form of the product.

4.2. Most important symptoms and effects, both acute and

Exposure may cause temporary irritation, redness, or discomfort.

delayed

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

## **SECTION 5: Firefighting measures**

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing

media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures

Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials. Specific methods

#### **SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the

SDS.

6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Sweep up or vacuum up spillage and collect in suitable container for disposal.

For waste disposal, see section 13 of the SDS.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

### **SECTION 7: Handling and storage**

7.1. Precautions for safe

handling

Avoid prolonged exposure. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the

SDS).

Material name: PVA-M SDS FU 47543 Version #: 01 Issue date: 16-May-2019

# **SECTION 8: Exposure controls/personal protection**

# 8.1. Control parameters

# Occ

Components	Туре	Value
methanol (impurity) (CAS 67-56-1)	MAK	260 mg/m3
		200 ppm
	STEL	1040 mg/m3
		800 ppm
Belgium. Exposure Limit Values. Components	Туре	Value
nethanol (impurity) (CAS	STEL	333 mg/m3
7-56-1)		250 ppm
	TWA	266 mg/m3
	1 ***	200 ppm
Pulgaria OELa Bagulatian No.42 an nr	ataatian of warkers are	• •
Suigaria. OELS. Regulation No 13 on procomponents	Туре	inst risks of exposure to chemical agents at work Value
nethanol (impurity) (CAS 67-56-1)	TWA	260 mg/m3
77-30-1)		200 ppm
		orkplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/0
Components	Туре	Value
nethanol (impurity) (CAS i7-56-1)	MAC	260 mg/m3
		200 ppm
Czech Republic. OELs. Government Dec Components	cree 361 Type	Value
nethanol (impurity) (CAS	Ceiling	1000 mg/m3
37-56-1)		
	TWA	250 mg/m3
Denmark. Exposure Limit Values		
Components	Туре	Value
methanol (impurity) (CAS 67-56-1)	TLV	260 mg/m3
77-30-1)		200 ppm
Estonia. OELs. Occupational Exposure	Limits of Hazardous Sul	bstances. (Annex of Regulation No. 293 of 18 Septembe
Components	Туре	Value
nethanol (impurity) (CAS 67-56-1)	STEL	350 mg/m3
		250 ppm
	TWA	250 mg/m3
		200 ppm
Finland. Workplace Exposure Limits		
Components	Туре	Value
nethanol (impurity) (CAS 67-56-1)	STEL	330 mg/m3
,		250 ppm
		* *
	TWA	270 mg/m3

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	Туре	Value
methanol (impurity) (CAS 67-56-1)	VLE	1300 mg/m3
Regulatory status:	Indicative limit (VL)	
		1000 ppm
Regulatory status:	Indicative limit (VL)	
	VME	260 mg/m3
Regulatory status:	Regulatory binding (VRC)	
		200 ppm
Regulatory status:	Regulatory binding (VRC)	
Germany. DFG MAK List n the Work Area (DFG)	(advisory OELs). Commission for the In	vestigation of Health Hazards of Chemical Compound
Components	Туре	Value
nethanol (impurity) (CAS	TWA	130 mg/m3
37-56-1)		5
		100 ppm
Germany. TRGS 900, Lim	nit Values in the Ambient Air at the Work	place
Components	Туре	Value
nethanol (impurity) (CAS	AGW	270 mg/m3
67-56-1)	,	
		200 ppm
Greece. OELs (Decree No	o. 90/1999, as amended)	
Components	Type	Value
nethanol (impurity) (CAS	STEL	325 mg/m3
37-56-1)		<b>3</b>
		250 ppm
	TWA	260 mg/m3
		200 ppm
lungary, OELs, Joint De	cree on Chemical Safety of Workplaces	
		Value
Components	Type	value
<u>-</u>		
components nethanol (impurity) (CAS 57-56-1)	Type	260 mg/m3
nethanol (impurity) (CAS 37-56-1)	TWA	260 mg/m3
nethanol (impurity) (CAS 37-56-1)		260 mg/m3
nethanol (impurity) (CAS 67-56-1) celand. OELs. Regulatio	TWA n 154/1999 on occupational exposure lir	260 mg/m3
nethanol (impurity) (CAS 67-56-1) celand. OELs. Regulatio Components	TWA n 154/1999 on occupational exposure lir Type	260 mg/m3 nits Value
nethanol (impurity) (CAS 67-56-1) celand. OELs. Regulatio Components nethanol (impurity) (CAS	TWA n 154/1999 on occupational exposure lir Type	260 mg/m3 nits Value
nethanol (impurity) (CAS 67-56-1) celand. OELs. Regulatio Components nethanol (impurity) (CAS	TWA n 154/1999 on occupational exposure lir Type TWA	260 mg/m3  value 260 mg/m3
nethanol (impurity) (CAS 67-56-1) celand. OELs. Regulatio Components nethanol (impurity) (CAS 67-56-1)	TWA n 154/1999 on occupational exposure lir Type TWA	260 mg/m3  value 260 mg/m3
nethanol (impurity) (CAS 67-56-1)  celand. OELs. Regulatio Components  nethanol (impurity) (CAS 67-56-1)  reland. Occupational Ex	TWA n 154/1999 on occupational exposure lir Type  TWA  posure Limits	260 mg/m3  Value  260 mg/m3  200 ppm
nethanol (impurity) (CAS 67-56-1) celand. OELs. Regulatio Components nethanol (impurity) (CAS 67-56-1)	TWA n 154/1999 on occupational exposure lir Type  TWA  posure Limits Type	260 mg/m3  Value  260 mg/m3  200 ppm  Value
nethanol (impurity) (CAS 67-56-1)  celand. OELs. Regulatio Components  nethanol (impurity) (CAS 67-56-1)  reland. Occupational Excomponents  nethanol (impurity) (CAS	TWA n 154/1999 on occupational exposure lir Type  TWA  posure Limits Type	260 mg/m3  Value  260 mg/m3  200 ppm  Value
methanol (impurity) (CAS 67-56-1)  celand. OELs. Regulatio Components  methanol (impurity) (CAS 67-56-1)  reland. Occupational Ex Components  methanol (impurity) (CAS 67-56-1)	TWA n 154/1999 on occupational exposure lin Type  TWA  posure Limits Type  TWA	260 mg/m3  Value  260 mg/m3  200 ppm  Value  260 mg/m3
nethanol (impurity) (CAS 67-56-1)  celand. OELs. Regulatio Components  nethanol (impurity) (CAS 67-56-1)  reland. Occupational Excomponents  nethanol (impurity) (CAS	TWA n 154/1999 on occupational exposure lin Type  TWA  posure Limits Type  TWA	260 mg/m3  Value  260 mg/m3  200 ppm  Value  260 mg/m3
nethanol (impurity) (CAS 67-56-1)  celand. OELs. Regulation Components  nethanol (impurity) (CAS 67-56-1)  reland. Occupational Excomponents  nethanol (impurity) (CAS 67-56-1)  taly. Occupational Exponents  components	TWA n 154/1999 on occupational exposure lin Type TWA  posure Limits Type TWA  TWA  Type TWA	260 mg/m3  Value  260 mg/m3  200 ppm  Value  260 mg/m3  200 ppm  Value  Value  Value
nethanol (impurity) (CAS 67-56-1)  celand. OELs. Regulatio Components  nethanol (impurity) (CAS 67-56-1)  reland. Occupational Ex Components  nethanol (impurity) (CAS 67-56-1)  taly. Occupational Expos	TWA n 154/1999 on occupational exposure lin Type  TWA  posure Limits Type  TWA	260 mg/m3  Value  260 mg/m3  200 ppm  Value  260 mg/m3  200 ppm
nethanol (impurity) (CAS 67-56-1)  celand. OELs. Regulation Components  nethanol (impurity) (CAS 67-56-1)  reland. Occupational Exponents  nethanol (impurity) (CAS 67-56-1)  taly. Occupational Exponents  nethanol (impurity) (CAS 67-56-1)	TWA n 154/1999 on occupational exposure lin Type TWA  posure Limits Type TWA  TWA  Type TWA	260 mg/m3  Value  260 mg/m3  200 ppm  Value  260 mg/m3  200 ppm  Value  Value  Value
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nethanol (impurity) (CAS 67-56-1)  celand. OELs. Regulation Components  nethanol (impurity) (CAS 67-56-1)  reland. Occupational Exponents  nethanol (impurity) (CAS 67-56-1)  taly. Occupational Exponents  nethanol (impurity) (CAS 67-56-1)  components  nethanol (impurity) (CAS 67-56-1)	TWA  n 154/1999 on occupational exposure lin Type TWA  posure Limits Type TWA  sure Limits Type TWA  TWA	260 mg/m3  Value  260 mg/m3  200 ppm  Value  260 mg/m3  200 ppm  Value  260 mg/m3  200 ppm  bstances in work environment Value
nethanol (impurity) (CAS 67-56-1)  celand. OELs. Regulation Components  nethanol (impurity) (CAS 67-56-1)  reland. Occupational Exponents  nethanol (impurity) (CAS 67-56-1)  taly. Occupational Exponents  nethanol (impurity) (CAS 67-56-1)  components  nethanol (impurity) (CAS 67-56-1)	TWA  n 154/1999 on occupational exposure lin Type  TWA  posure Limits  Type  TWA  Sure Limits  Type  TWA  TWA	260 mg/m3  Value  260 mg/m3  200 ppm

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Components	Chemical Substances, Gener Type	Value
methanol (impurity) (CAS 67-56-1)	TWA	260 mg/m3
,		200 ppm
Luxembourg. Binding Occupation Components	al exposure limit values (Ann Type	ex I), Memorial A Value
methanol (impurity) (CAS 67-56-1)	TWA	260 mg/m3
		200 ppm
Malta. OELs. Occupational Expos Schedules I and V)	ure Limit Values (L.N. 227. of	Occupational Health and Safety Authority Act (CAP. 4
Components	Туре	Value
methanol (impurity) (CAS 67-56-1)	TWA	260 mg/m3
		200 ppm
Netherlands. OELs (binding)	Tuno	Value
Components  mothered (impurity) (CAS	Type	Value
methanol (impurity) (CAS 67-56-1)	TWA	133 mg/m3
Norway. Administrative Norms for		
Components	Type	Value
methanol (impurity) (CAS 67-56-1)	TLV	130 mg/m3
		100 ppm
		e 2014 on the maximum permissible concentrations a
intensities of harmful health facto	rs in the work environment, J	e 2014 on the maximum permissible concentrations a ournal of Laws 2014, item 817
intensities of harmful health facto Components		e 2014 on the maximum permissible concentrations a ournal of Laws 2014, item 817 Value
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intensities of harmful health facto Components methanol (impurity) (CAS 67-56-1)	rs in the work environment, J Type STEL TWA	2014 on the maximum permissible concentrations a cournal of Laws 2014, item 817  Value  300 mg/m3  100 mg/m3
intensities of harmful health facto Components methanol (impurity) (CAS 67-56-1)  Portugal. OELs. Decree-Law n. 29	rs in the work environment, J Type STEL TWA	2014 on the maximum permissible concentrations a cournal of Laws 2014, item 817  Value  300 mg/m3  100 mg/m3
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intensities of harmful health facto Components  methanol (impurity) (CAS 67-56-1)  Portugal. OELs. Decree-Law n. 29 Components  methanol (impurity) (CAS 67-56-1)  Portugal. VLEs. Norm on occupat	rs in the work environment, J Type  STEL  TWA  0/2001 (Journal of the Republ Type  TWA	2014 on the maximum permissible concentrations a cournal of Laws 2014, item 817  Value  300 mg/m3  100 mg/m3  ic - 1 Series A, n.266)  Value  260 mg/m3  200 ppm
intensities of harmful health facto Components  methanol (impurity) (CAS 67-56-1)  Portugal. OELs. Decree-Law n. 29 Components  methanol (impurity) (CAS 67-56-1)  Portugal. VLEs. Norm on occupat Components  methanol (impurity) (CAS	rs in the work environment, J Type  STEL  TWA 0/2001 (Journal of the Republ Type  TWA  ional exposure to chemical ag	2014 on the maximum permissible concentrations a cournal of Laws 2014, item 817  Value  300 mg/m3  100 mg/m3  ic - 1 Series A, n.266)  Value  260 mg/m3  200 ppm  sents (NP 1796)
intensities of harmful health facto Components  methanol (impurity) (CAS 67-56-1)  Portugal. OELs. Decree-Law n. 29 Components  methanol (impurity) (CAS 67-56-1)  Portugal. VLEs. Norm on occupat Components  methanol (impurity) (CAS	rs in the work environment, J Type  STEL  TWA  0/2001 (Journal of the Republ Type  TWA  ional exposure to chemical ag Type	2014 on the maximum permissible concentrations a cournal of Laws 2014, item 817  Value  300 mg/m3  100 mg/m3  ic - 1 Series A, n.266)  Value  260 mg/m3  200 ppm  pents (NP 1796)  Value
intensities of harmful health facto Components  methanol (impurity) (CAS 67-56-1)  Portugal. OELs. Decree-Law n. 29 Components  methanol (impurity) (CAS 67-56-1)  Portugal. VLEs. Norm on occupat Components  methanol (impurity) (CAS 67-56-1)  Romania. OELs. Protection of work	rs in the work environment, J Type  STEL  TWA  0/2001 (Journal of the Republ Type  TWA  ional exposure to chemical ac Type  STEL  TWA  rkers from exposure to chemic	2014 on the maximum permissible concentrations a cournal of Laws 2014, item 817  Value  300 mg/m3  100 mg/m3  ic - 1 Series A, n.266)  Value  260 mg/m3  200 ppm  tents (NP 1796)  Value  250 ppm  200 ppm  200 ppm
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Ordinance of the Minister of Labo intensities of harmful health facto Components  methanol (impurity) (CAS 67-56-1)  Portugal. OELs. Decree-Law n. 29 Components  methanol (impurity) (CAS 67-56-1)  Portugal. VLEs. Norm on occupat Components  methanol (impurity) (CAS 67-56-1)  Romania. OELs. Protection of wor Components  methanol (impurity) (CAS 67-56-1)	rs in the work environment, J Type  STEL  TWA  0/2001 (Journal of the Republ Type  TWA  ional exposure to chemical ac Type  STEL  TWA  rkers from exposure to chemic	2014 on the maximum permissible concentrations a cournal of Laws 2014, item 817  Value  300 mg/m3  100 mg/m3  ic - 1 Series A, n.266)  Value  260 mg/m3  200 ppm  pents (NP 1796)  Value  250 ppm  200 ppm
intensities of harmful health facto Components  methanol (impurity) (CAS 67-56-1)  Portugal. OELs. Decree-Law n. 29 Components  methanol (impurity) (CAS 67-56-1)  Portugal. VLEs. Norm on occupat Components  methanol (impurity) (CAS 67-56-1)  Romania. OELs. Protection of wor Components  methanol (impurity) (CAS 67-56-1)	rs in the work environment, J Type  STEL  TWA  0/2001 (Journal of the Republ Type  TWA  ional exposure to chemical ag Type  STEL  TWA  rkers from exposure to chemic Type  TWA	2014 on the maximum permissible concentrations a cournal of Laws 2014, item 817  Value  300 mg/m3  100 mg/m3  ic - 1 Series A, n.266)  Value  260 mg/m3  200 ppm  Jents (NP 1796)  Value  250 ppm  200 ppm
intensities of harmful health facto Components  methanol (impurity) (CAS 67-56-1)  Portugal. OELs. Decree-Law n. 29 Components  methanol (impurity) (CAS 67-56-1)  Portugal. VLEs. Norm on occupat Components  methanol (impurity) (CAS 67-56-1)  Romania. OELs. Protection of wor Components  methanol (impurity) (CAS 67-56-1)	rs in the work environment, J Type  STEL  TWA  0/2001 (Journal of the Republ Type  TWA  ional exposure to chemical ag Type  STEL  TWA  rkers from exposure to chemic Type  TWA	2014 on the maximum permissible concentrations a cournal of Laws 2014, item 817  Value  300 mg/m3  100 mg/m3  ic - 1 Series A, n.266)  Value  260 mg/m3  200 ppm  pents (NP 1796)  Value  250 ppm  200 ppm
intensities of harmful health facto Components  methanol (impurity) (CAS 67-56-1)  Portugal. OELs. Decree-Law n. 29 Components  methanol (impurity) (CAS 67-56-1)  Portugal. VLEs. Norm on occupat Components  methanol (impurity) (CAS 67-56-1)  Romania. OELs. Protection of wor Components  methanol (impurity) (CAS 67-56-1)  Slovakia. OELs. Regulation No. 30	rs in the work environment, J Type  STEL  TWA  0/2001 (Journal of the Republ Type  TWA  ional exposure to chemical ag Type  STEL  TWA  rkers from exposure to chemic Type  TWA	2014 on the maximum permissible concentrations a cournal of Laws 2014, item 817  Value  300 mg/m3  100 mg/m3  ic - 1 Series A, n.266)  Value  260 mg/m3  200 ppm  pents (NP 1796)  Value  250 ppm  200 ppm  200 ppm  cal agents at the workplace  Value  260 mg/m3  200 ppm  of health in work with chemical agents

Material name: PVA-M SDS EU

Components	Туре	Value
methanol (impurity) (CAS 67-56-1)	TWA	260 mg/m3
		200 ppm
Spain. Occupational Exposure Li		
Components	Туре	Value
methanol (impurity) (CAS 67-56-1)	TWA	266 mg/m3
		200 ppm
	* · · · · · · · · · · · · · · · · · · ·	al Exposure Limit Values (AFS 2015:7)
Components	Туре	Value
methanol (impurity) (CAS 67-56-1)	STEL	350 mg/m3
		250 ppm
	TWA	250 mg/m3
		200 ppm
Switzerland. SUVA Grenzwerte ar	n Arbeitsplatz	
Components	Туре	Value
methanol (impurity) (CAS 67-56-1)	STEL	1040 mg/m3
		800 ppm
	TWA	260 mg/m3
		200 ppm
UK. EH40 Workplace Exposure Li	mits (WELs)	
Components	Туре	Value
methanol (impurity) (CAS 67-56-1)	STEL	333 mg/m3
		250 ppm
	TWA	266 mg/m3
		200 ppm
•		2000/39/EC, 2006/15/EC, 2009/161/EU
Components	Туре	Value
methanol (impurity) (CAS 67-56-1)	TWA	260 mg/m3
		200 ppm

# **Biological limit values**

Croatia. BLV. Dangerous Substance Exposure Limit Values at Workplace, Annexes 4 (as amended)

Components	Value	Determinant	Specimen	Sampling Time
methanol (impurity) (CAS 67-56-1)	7 mg/g	Methanol	Creatinine in urine	*
	24,7 mmol/mol	Methanol	Creatinine in urine	*

<sup>\* -</sup> For sampling details, please see the source document.

Czech Republic. Limit Values for Indictators of Biological Exposure Tests in Urine and Blood, Annex 2, Tables 1 and 2, Government Decree 432/2003 Sb.

Components	Value	Determinant	Specimen	Sampling Time
methanol (impurity) (CAS 67-56-1)	15 mg/l	Methanol	Urine	*
	0,47 mmol/l	Methanol	Urine	*
* - For sampling details, please see the source document.				

Material name: PVA-M SDS EU

Components	Value	Determinant	Specimen	Sampling Time
methanol (impurity) (CAS 67-56-1)	15 mg/l	Méthanol	Urine	*
* - For sampling details, ple	ease see the source de	ocument.		
Germany. TRGS 903, BAT Components	Γ List (Biological Lim Value	it Values) Determinant	Specimen	Sampling Time
methanol (impurity) (CAS 67-56-1)	30 mg/l	Methanol	Urine	*
* - For sampling details, ple Slovakia. BLVs (Biologica agents, Annex 2			concerning prot	ection of workers exposed to chemic
Components	Value	Determinant	Specimen	Sampling Time
methanol (impurity) (CAS 67-56-1)	20 mg/g	Methanol	Creatinine in urine	*
	30 mg/l	Methanol	Urine	*
* - For sampling details, ple	ease see the source de	ocument.		
Spain. Biological Limit Va Components	alues (VLBs), Occupa Value	ational Exposure Li Determinant	mits for Chemic Specimen	al Agents, Table 4 Sampling Time
methanol (impurity) (CAS 67-56-1)	15 mg/l	Metanol	Urine	*
* - For sampling details, ple	ease see the source de	ocument.		
Switzerland. BAT-Werte (Components	Biological Limit Valu Value	es in the Workplace Determinant	e as per SUVA) Specimen	Sampling Time
methanol (impurity) (CAS 67-56-1)	30 mg/l	Methanol	Urine	*
* - For sampling details, ple	ease see the source de	ocument.		
commended monitoring cedures	Follow standard i	monitoring procedure	S.	
ived no effect levels ELs)	Not available.			
dicted no effect centrations (PNECs)	Not available.			
Exposure controls				
propriate engineering trols	applicable, use p maintain airborne	rocess enclosures, lo	ocal exhaust venti mended exposure	tes should be matched to conditions. If lation, or other engineering controls to e limits. If exposure limits have not beer evel.
vidual protection measure	es, such as personal	protective equipme	ent	
General information		on equipment should ne supplier of the per		rding to the CEN standards and in equipment.
Eye/face protection	Wear safety glas	ses with side shields	(or goggles).	
Skin protection				
- Hand protection	Wear appropriate	chemical resistant g	loves.	
- Other	Wear suitable pro	tective clothing.		
Respiratory protection	•	cient ventilation, wear	suitable respirate	ory equipment.
Thermal hazards		thermal protective c	•	* ' '
jiene measures	Always observe of and before eating	good personal hygien g, drinking, and/or sm	e measures, suc	h as washing after handling the materia wash work clothing and protective
rironmental exposure	• •	nove contaminants. ntilation should be us	ed. Ventilation ra	tes should be matched to conditions. If

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

**Physical state** 

controls

Appearance
------------

Solid.

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established, maintain airborne levels to an acceptable level.

applicable, use process enclosures, local exhaust ventilation, or other engineering controls to

maintain airborne levels below recommended exposure limits. If exposure limits have not been

Form filament

Colour Natural colour.

Odour Slight.

Odour threshold Not available.

pH Not available.

Melting point/freezing point 150 - 230 °C (302 - 446 °F)

Initial boiling point and boiling

range

Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

Not available.

(%)

Vapour pressureNot available.Vapour densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Soluble

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature520 °C (968 °F)Decomposition temperatureNot available.ViscosityNot available.Explosive propertiesNot explosive.Oxidising propertiesNot oxidising.

9.2. Other information

**Density** 1,19 - 1,31 g/cm<sup>3</sup>

#### **SECTION 10: Stability and reactivity**

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

**10.2. Chemical stability** Material is stable under normal conditions.

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

**10.4. Conditions to avoid** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with

incompatible materials.

10.5. Incompatible materials Strong oxidising agents.

**10.6. Hazardous** No hazardous decomposition products are known.

decomposition products

# **SECTION 11: Toxicological information**

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact**Based on available data, the classification criteria are not met. **Eye contact**Based on available data, the classification criteria are not met.

**Ingestion** May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of

occupational exposure.

**Symptoms** Exposure may cause temporary irritation, redness, or discomfort.

11.1. Information on toxicological effects

Acute toxicity Not known.

**Skin corrosion/irritation**Based on available data, the classification criteria are not met. **Serious eye damage/eye**Based on available data, the classification criteria are not met.

irritation

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Based on available data, the classification criteria are not met. Respiratory sensitisation Skin sensitisation Based on available data, the classification criteria are not met. Germ cell mutagenicity Based on available data, the classification criteria are not met. Carcinogenicity Based on available data, the classification criteria are not met.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed

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

Specific target organ toxicity -

single exposure

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

Specific target organ toxicity -

repeated exposure

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

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

Mixture versus substance

information

No information available.

Other information This product has no known adverse effect on human health.

# **SECTION 12: Ecological information**

12.1. Toxicity The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2. Persistence and

degradability

No data is available on the degradability of any ingredients in the mixture.

12.3. Bioaccumulative potential

**Bioconcentration factor (BCF)** Not available 12.4. Mobility in soil No data available

12.5. Results of PBT and vPvB

assessment

Not a PBT or vPvB substance or mixture

12.6. Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

# **SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations.

Empty containers should be taken to an approved waste handling site for recycling or disposal. Contaminated packaging

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Dispose in accordance with all applicable regulations. Special precautions

#### **SECTION 14: Transport information**

**ADR** 

14.1. - 14.6.: Not regulated as dangerous goods.

**RID** 

14.1. - 14.6.: Not regulated as dangerous goods.

**ADN** 

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

**IMDG** 

14.1. - 14.6.: Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Not applicable.

## **SECTION 15: Regulatory information**

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

EU regulations

Material name: PVA-M SDS FU Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

**Authorisations** 

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at

work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Other regulations The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP

Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation

(EC) No 1907/2006, as amended.

National regulations Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as

amended.

15.2. Chemical safety

assessment

No Chemical Safety Assessment has been carried out.

## **SECTION 16: Other information**

List of abbreviations Not available.

References Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation

methods and test data, if available.

Full text of any H-statements not written out in full under

Sections 2 to 15 H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed. H311 Toxic in contact with skin. H331 Toxic if inhaled.

H370 Causes damage to organs.

Revision information None

**Training information** Follow training instructions when handling this material.

**Disclaimer** This safety data sheet (SDS) is issued based on the latest reference, data etc currently available.

The information in this SDS has been carefully assessed, but no guarantee is given for its accuracy. We cannot anticipate all conditions under which this product may be used. It is the

user's responsibility to take appropriate safety measures for handling.

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