SAFETY DATA SHEET





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

1.1. Product identifier

Trade name or designation

AquaSolve PVA

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 Formfutura BV

Address Groenestraat 215, 6531 HH Nijmegen, The Netherlands

Telephone +31 (0)85 743 4000 (Office hours Mo. - Fr. 09:00 - 17:00 CET)

Contact person Product Compliance

e-mail product.compliance@formfutura.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: -



Chemical name%CAS-No. / EC No.REACH Registration No.Index No.Notesmethanol (impurity)<1</td>67-56-1-603-001-00-X#

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.

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

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

peel polymer from the skin.

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

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

delayed

Exposure may cause temporary irritation, redness, or discomfort.

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.

Specific methods

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

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.

ainment and cleaning up For waste disposal, see section 13 of the SDS.

6.4. Reference to other

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

sections

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).



SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occ

Austria. MAK List, OEL Ordinanc Components	Type	Value
methanol (impurity) (CAS 57-56-1)	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
67-56-1)		250 ppm
	TWA	266 mg/m3
		200 ppm
Bulgaria. OELs. Regulation No 13 Components	on protection of workers agai Type	nst risks of exposure to chemical agents at work Value
nethanol (impurity) (CAS	TWA	260 mg/m3
37-56-1)		200 ppm
Croatia. Dangerous Substance Ex	xposure Limit Values in the Wo	orkplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/0 Value
nethanol (impurity) (CAS	MAC	260 mg/m3
37-56-1)		200 ppm
Czech Republic. OELs. Governme	ent Decree 361	
Components	Туре	Value
nethanol (impurity) (CAS i7-56-1)	Ceiling	1000 mg/m3
	TWA	250 mg/m3
Denmark. Exposure Limit Values		
Components	Туре	Value
nethanol (impurity) (CAS 67-56-1)	TLV	260 mg/m3
,		200 ppm
	osure Limits of Hazardous Sub	ostances. (Annex of Regulation No. 293 of 18 September
2001)	osure Limits of Hazardous Sub Type	ostances. (Annex of Regulation No. 293 of 18 Septembe Value
Components methanol (impurity) (CAS		
2001) Components methanol (impurity) (CAS	Туре	Value
Components methanol (impurity) (CAS	Туре	Value 350 mg/m3
Components nethanol (impurity) (CAS	Type STEL	Value 350 mg/m3 250 ppm
Components methanol (impurity) (CAS 7-56-1) Finland. Workplace Exposure Lin	Type STEL TWA	Value 350 mg/m3 250 ppm 250 mg/m3 200 ppm
Components methanol (impurity) (CAS 67-56-1) Finland. Workplace Exposure Lin	Type STEL TWA	Value 350 mg/m3 250 ppm 250 mg/m3
Components methanol (impurity) (CAS 67-56-1) Finland. Workplace Exposure Lin Components methanol (impurity) (CAS	Type STEL TWA	Value 350 mg/m3 250 ppm 250 mg/m3 200 ppm
Components methanol (impurity) (CAS 67-56-1) Finland. Workplace Exposure Lin Components methanol (impurity) (CAS	Type STEL TWA nits Type	Value 350 mg/m3 250 ppm 250 mg/m3 200 ppm Value
Estonia. OELs. Occupational Exp 2001) Components methanol (impurity) (CAS 57-56-1) Finland. Workplace Exposure Lin Components methanol (impurity) (CAS 57-56-1)	Type STEL TWA nits Type	Value 350 mg/m3 250 ppm 250 mg/m3 200 ppm Value 330 mg/m3



	Туре	ure to Chemicals in France, INRS ED 984 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)	
	(advisory OELs). Commission for the I	nvestigation of Health Hazards of Chemical Compounds
n the Work Area (DFG) Components	Туре	Value
methanol (impurity) (CAS	TWA	130 mg/m3
67-56-1)	IVVA	130 mg/m3
,		100 ppm
Germany, TRGS 900, Lim	nit Values in the Ambient Air at the Wor	knlace
Components	Type	Value
methanol (impurity) (CAS	AGW	270 mg/m3
67-56-1)		_, og,o
		200 ppm
Greece. OELs (Decree No	o. 90/1999, as amended)	
Components	Туре	Value
methanol (impurity) (CAS	STEL	325 mg/m3
67-56-1)		•
		250 ppm
	TWA	260 mg/m3
		200 ppm
Hungary. OELs. Joint De	cree on Chemical Safety of Workplaces	
Components	Туре	Value
methanol (impurity) (CAS	TWA	260 mg/m3
67-56-1)		
Iceland. OELs. Regulation	n 154/1999 on occupational exposure li	
celand. OELs. Regulation	n 154/1999 on occupational exposure li Type	imits Value
Iceland. OELs. Regulation Components methanol (impurity) (CAS	•	
Iceland. OELs. Regulation Components methanol (impurity) (CAS	Туре	Value 260 mg/m3
Iceland. OELs. Regulation Components methanol (impurity) (CAS 67-56-1)	Type TWA	Value
Iceland. OELs. Regulation Components methanol (impurity) (CAS 67-56-1)	Type TWA posure Limits	Value 260 mg/m3 200 ppm
Iceland. OELs. Regulation Components methanol (impurity) (CAS 67-56-1) Ireland. Occupational Exp Components	Type TWA posure Limits Type	Value 260 mg/m3 200 ppm Value
Iceland. OELs. Regulation Components methanol (impurity) (CAS 67-56-1) Ireland. Occupational Exp Components methanol (impurity) (CAS	Type TWA posure Limits	Value 260 mg/m3 200 ppm
Iceland. OELs. Regulation Components methanol (impurity) (CAS 67-56-1) Ireland. Occupational Exp Components methanol (impurity) (CAS	Type TWA posure Limits Type	Value 260 mg/m3 200 ppm Value 260 mg/m3
Iceland. OELs. Regulation Components methanol (impurity) (CAS 67-56-1) Ireland. Occupational Exp Components methanol (impurity) (CAS 67-56-1)	Type TWA posure Limits Type TWA	Value 260 mg/m3 200 ppm Value
Iceland. OELs. Regulation Components methanol (impurity) (CAS 67-56-1) Ireland. Occupational Exp Components methanol (impurity) (CAS 67-56-1) Italy. Occupational Expos	Type TWA Posure Limits Type TWA TWA	Value 260 mg/m3 200 ppm Value 260 mg/m3 200 ppm
Iceland. OELs. Regulation Components methanol (impurity) (CAS 67-56-1) Ireland. Occupational Exp Components methanol (impurity) (CAS 67-56-1) Italy. Occupational Expose Components	Type TWA TWA posure Limits Type TWA sure Limits Type	Value 260 mg/m3 200 ppm Value 260 mg/m3 200 ppm Value
Iceland. OELs. Regulation Components methanol (impurity) (CAS 67-56-1) Ireland. Occupational Exp Components methanol (impurity) (CAS 67-56-1) Italy. Occupational Expose Components methanol (impurity) (CAS	Type TWA Posure Limits Type TWA TWA	Value 260 mg/m3 200 ppm Value 260 mg/m3 200 ppm
Iceland. OELs. Regulation Components methanol (impurity) (CAS 67-56-1) Ireland. Occupational Exp Components methanol (impurity) (CAS 67-56-1) Italy. Occupational Expose Components methanol (impurity) (CAS	Type TWA TWA posure Limits Type TWA sure Limits Type	Value 260 mg/m3 200 ppm Value 260 mg/m3 200 ppm Value
methanol (impurity) (CAS 67-56-1) Ireland. Occupational Exponents methanol (impurity) (CAS 67-56-1) Italy. Occupational Expose Components methanol (impurity) (CAS 67-56-1)	Type TWA TWA posure Limits Type TWA Sure Limits Type TWA	Value 260 mg/m3 200 ppm Value 260 mg/m3 200 ppm Value 260 mg/m3 200 ppm
Iceland. OELs. Regulation Components methanol (impurity) (CAS 67-56-1) Ireland. Occupational Exponents methanol (impurity) (CAS 67-56-1) Italy. Occupational Expose Components methanol (impurity) (CAS 67-56-1) Latvia. OELs. Occupation	Type TWA TWA posure Limits Type TWA sure Limits Type	Value 260 mg/m3 200 ppm Value 260 mg/m3 200 ppm Value 260 mg/m3 200 ppm
Iceland. OELs. Regulation Components methanol (impurity) (CAS 67-56-1) Ireland. Occupational Exponents methanol (impurity) (CAS 67-56-1) Italy. Occupational Expose Components methanol (impurity) (CAS 67-56-1) Latvia. OELs. Occupation Components	Type TWA TWA posure Limits Type TWA Sure Limits Type TWA TWA TWA	Value 260 mg/m3 200 ppm Value 260 mg/m3 200 ppm Value 260 mg/m3 200 ppm ubstances in work environment Value
Iceland. OELs. Regulation Components methanol (impurity) (CAS 67-56-1) Ireland. Occupational Exp Components methanol (impurity) (CAS 67-56-1) Italy. Occupational Expos Components methanol (impurity) (CAS 67-56-1)	Type TWA Posure Limits Type TWA Sure Limits Type TWA TWA TWA	Value 260 mg/m3 200 ppm Value 260 mg/m3 200 ppm Value 260 mg/m3 200 ppm ubstances in work environment



Components	Туре		
nethanol (impurity) (CAS 7-56-1)	TWA	260 mg/m3	
		200 ppm	
uxembourg. Binding Occupation Components	aal exposure limit values (Ann Type	ex I), Memorial A Value	
nethanol (impurity) (CAS 57-56-1)	TWA	260 mg/m3	
		200 ppm	
	ure Limit Values (L.N. 227. of	Occupational Health and Safety Authority Act (CA	P. 424
Schedules I and V) Components	Туре	Value	
nethanol (impurity) (CAS	TWA	260 mg/m3	
37-56-1)		200 ppm	
Jothanianda OELa (hinding)		200 μμπι	
Netherlands. OELs (binding) Components	Туре	Value	
nethanol (impurity) (CAS 7-56-1)	TWA	133 mg/m3	
Norway. Administrative Norms for	r Contaminants in the Workpla		
Components	Туре	Value	
nethanol (impurity) (CAS 7-56-1)	TLV	130 mg/m3	
,	ur and Social Policy on 6 June	100 ppm	ns and
Ordinance of the Minister of Labo ntensities of harmful health facto Components	rs in the work environment, J Type	e 2014 on the maximum permissible concentration ournal of Laws 2014, item 817 Value	ns and
Ordinance of the Minister of Labo ntensities of harmful health facto Components nethanol (impurity) (CAS	rs in the work environment, J	e 2014 on the maximum permissible concentration ournal of Laws 2014, item 817	ns and
Ordinance of the Minister of Labo ntensities of harmful health facto Components nethanol (impurity) (CAS	rs in the work environment, J Type	e 2014 on the maximum permissible concentration ournal of Laws 2014, item 817 Value	ns and
Ordinance of the Minister of Labortensities of harmful health factor components Methanol (impurity) (CAS Mortogal. OELs. Decree-Law n. 29	rs in the work environment, Jo Type STEL TWA	2014 on the maximum permissible concentration ournal of Laws 2014, item 817 Value 300 mg/m3 100 mg/m3	ns and
Ordinance of the Minister of Labontensities of harmful health factocomponents methanol (impurity) (CAS 67-56-1) Portugal. OELs. Decree-Law n. 29 Components methanol (impurity) (CAS	Type STEL TWA 0/2001 (Journal of the Republi	2 2014 on the maximum permissible concentration ournal of Laws 2014, item 817 Value 300 mg/m3 100 mg/m3	ns and
Ordinance of the Minister of Labontensities of harmful health factor Components nethanol (impurity) (CAS 67-56-1) Portugal. OELs. Decree-Law n. 29 Components nethanol (impurity) (CAS 67-56-1)	Type STEL TWA 0/2001 (Journal of the Republication Type TWA	2014 on the maximum permissible concentration ournal of Laws 2014, item 817 Value 300 mg/m3 100 mg/m3 ic - 1 Series A, n.266) Value 260 mg/m3 200 ppm	ns and
Ordinance of the Minister of Labontensities of harmful health factor components nethanol (impurity) (CAS 67-56-1) Portugal. OELs. Decree-Law n. 29 Components nethanol (impurity) (CAS 67-56-1) Portugal. VLEs. Norm on occupate	Type STEL TWA 0/2001 (Journal of the Republication Type TWA TWA TWA	2014 on the maximum permissible concentration ournal 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)	ns and
Ordinance of the Minister of Labontensities of harmful health factor Components methanol (impurity) (CAS 67-56-1) Portugal. OELs. Decree-Law n. 29 Components methanol (impurity) (CAS 67-56-1) Portugal. VLEs. Norm on occupate Components	Type STEL TWA 0/2001 (Journal of the Republication Type TWA TWA ional exposure to chemical against the Type Type	2014 on the maximum permissible concentration ournal of Laws 2014, item 817 Value 300 mg/m3 100 mg/m3 ic - 1 Series A, n.266) Value 260 mg/m3 200 ppm eents (NP 1796) Value	ns and
,	Type STEL TWA 0/2001 (Journal of the Republication Type TWA ional exposure to chemical against the STEL STEL	2014 on the maximum permissible concentration ournal of Laws 2014, item 817 Value 300 mg/m3 100 mg/m3 1c - 1 Series A, n.266) Value 260 mg/m3 200 ppm Pents (NP 1796) Value 250 ppm	ns and
Ordinance of the Minister of Labontensities of harmful health factor Components nethanol (impurity) (CAS 67-56-1) Portugal. OELs. Decree-Law n. 29 Components nethanol (impurity) (CAS 67-56-1) Portugal. VLEs. Norm on occupate Components nethanol (impurity) (CAS 67-56-1)	Type STEL TWA 0/2001 (Journal of the Republication Type TWA TWA ional exposure to chemical against the Type Type	2014 on the maximum permissible concentration ournal of Laws 2014, item 817 Value 300 mg/m3 100 mg/m3 ic - 1 Series A, n.266) Value 260 mg/m3 200 ppm eents (NP 1796) Value	ns and
Ordinance of the Minister of Labontensities of harmful health factor Components nethanol (impurity) (CAS 67-56-1) Portugal. OELs. Decree-Law n. 29 Components nethanol (impurity) (CAS 67-56-1) Portugal. VLEs. Norm on occupate Components nethanol (impurity) (CAS 67-56-1) Romania. OELs. Protection of work	Type STEL TWA 0/2001 (Journal of the Republication Type TWA ional exposure to chemical again Type STEL TWA	2014 on the maximum permissible concentration ournal of Laws 2014, item 817 Value 300 mg/m3 100 mg/m3 ic - 1 Series A, n.266) Value 260 mg/m3 200 ppm eents (NP 1796) Value 250 ppm 200 ppm	ns and
Ordinance of the Minister of Labontensities of harmful health factor Components methanol (impurity) (CAS 67-56-1) Portugal. OELs. Decree-Law n. 29 Components methanol (impurity) (CAS 67-56-1) Portugal. VLEs. Norm on occupate Components methanol (impurity) (CAS 67-56-1) Romania. OELs. Protection of work Components methanol (impurity) (CAS 67-56-1)	Type STEL TWA 0/2001 (Journal of the Republication Type TWA ional exposure to chemical age Type STEL TWA rkers from exposure to chemical age Type	2014 on the maximum permissible concentration ournal of Laws 2014, item 817 Value 300 mg/m3 100 mg/m3 1c - 1 Series A, n.266) Value 260 mg/m3 200 ppm Pents (NP 1796) Value 250 ppm 200 ppm 200 ppm	ns and
Ordinance of the Minister of Laboratensities of harmful health factor components nethanol (impurity) (CAS 67-56-1) Ortugal. OELs. Decree-Law n. 29 Components nethanol (impurity) (CAS 67-56-1) Ortugal. VLEs. Norm on occupate components nethanol (impurity) (CAS 67-56-1) Components nethanol (impurity) (CAS 67-56-1)	Type STEL TWA 0/2001 (Journal of the Republication Type TWA ional exposure to chemical aganger Type STEL TWA TWA rkers from exposure to chemical Type	2014 on the maximum permissible concentration ournal of Laws 2014, item 817 Value 300 mg/m3 100 mg/m3 ic - 1 Series A, n.266) Value 260 mg/m3 200 ppm eents (NP 1796) Value 250 ppm 200 ppm 200 ppm	ns and
Ordinance of the Minister of Laboratensities of harmful health factor Components Inethanol (impurity) (CAS 167-56-1) Ortugal. OELs. Decree-Law n. 29 Components Inethanol (impurity) (CAS 167-56-1) Ortugal. VLEs. Norm on occupate Components Inethanol (impurity) (CAS 167-56-1) Romania. OELs. Protection of work Components Inethanol (impurity) (CAS 167-56-1) Romania. OELs. Regulation No. 30 Slovakia. OELs. Regulation No. 30	Type STEL TWA 0/2001 (Journal of the Republication Type TWA ional exposure to chemical against Type STEL TWA TWA rkers from exposure to chemical Type TWA	2014 on the maximum permissible concentration ournal of Laws 2014, item 817 Value 300 mg/m3 100 mg/m3 1c - 1 Series A, n.266) Value 260 mg/m3 200 ppm ents (NP 1796) Value 250 ppm 200 ppm	ns and
Ordinance of the Minister of Labontensities of harmful health factor Components methanol (impurity) (CAS 67-56-1) Portugal. OELs. Decree-Law n. 29 Components methanol (impurity) (CAS 67-56-1) Portugal. VLEs. Norm on occupate Components methanol (impurity) (CAS 67-56-1) Romania. OELs. Protection of work Components methanol (impurity) (CAS 67-56-1)	Type STEL TWA 0/2001 (Journal of the Republication Type TWA ional exposure to chemical against Type STEL TWA rkers from exposure to chemical Type TWA TWA TWA rkers from exposure to chemical Type TWA	2014 on the maximum permissible concentration ournal of Laws 2014, item 817 Value 300 mg/m3 100 mg/m3 ic - 1 Series A, n.266) Value 260 mg/m3 200 ppm ents (NP 1796) Value 250 ppm 200 ppm cal agents at the workplace Value 260 mg/m3 200 ppm of health in work with chemical agents	ns and



Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working
(Official Gazette of the Republic of Slovenia)

Components	Туре	Value		
methanol (impurity) (CAS 67-56-1)	TWA	260 mg/m3		
,		200 ppm		
Spain. Occupational Exposure Li	mits			
Components	Туре	Value		
methanol (impurity) (CAS 67-56-1)	TWA	266 mg/m3		
		200 ppm		
Sweden. OELs. Work Environme	nt Authority (AV), Occupationa	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 aı	m 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 L	imits (WELs)			
Components	Туре	Value		
methanol (impurity) (CAS 67-56-1)	STEL	333 mg/m3		
		250 ppm		
	TWA	266 mg/m3		
		200 ppm		
	lues in Directives 91/322/EEC,	2000/39/EC, 2006/15/EC, 2009/161/EU		
Components	Туре	Value		
methanol (impurity) (CAS 67-56-1)	TWA	260 mg/m3		
•				

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	*

200 ppm

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, pla	ease see the source do	ocument			



^{* -} For sampling details, please see the source document.

Components	Value	Determinant	Specimen	Sampling Time	
methanol (impurity) (CAS 67-56-1)	15 mg/l	Méthanol	Urine	*	
* - For sampling details, ple					
Germany. TRGS 903, BAT Components	List (Biological Limit Value	Values) Determinant	Specimen	Sampling Time	
methanol (impurity) (CAS 67-56-1)	30 mg/l	Methanol	Urine	*	
* - For sampling details, ple	ase see the source doc	ument.			
	al Limit Value). Regulat	ion no. 355/2006	concerning prote	ection of workers exposed to chemi	
agents, Annex 2 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	ase see the source doc	ument.			
Spain. Biological Limit Va Components	llues (VLBs), Occupati Value	onal Exposure Li Determinant	mits for Chemica Specimen	ll Agents, Table 4 Sampling Time	
methanol (impurity) (CAS 67-56-1)	15 mg/l	Metanol	Urine	*	
* - For sampling details, ple	ase see the source doc	ument.			
Switzerland. BAT-Werte (Biological Limit Values	s in the Workplace	e as per SUVA)		
Components	Value	Determinant	Specimen	Sampling Time	
methanol (impurity) (CAS 67-56-1)	30 mg/l	Methanol	Urine	*	
* - For sampling details, ple					
commended monitoring cedures	Follow standard mo	nitoring procedure	S.		
ived no effect levels IELs)	Not available.				
dicted no effect centrations (PNECs)	Not available.				
Exposure controls					
propriate engineering trols	applicable, use prod	cess enclosures, lo evels below recomi	ocal exhaust ventil mended exposure	es should be matched to conditions. If ation, or other engineering controls to limits. If exposure limits have not beel evel.	
ividual protection measure			•		
General information	= = = = = = = = = = = = = = = = = = = =	equipment should	be chosen accord	ding to the CEN standards and in quipment.	
Eye/face protection	Wear safety glasse	s with side shields	(or goggles).		
Skin protection					
- Hand protection	Wear appropriate c	hemical resistant g	loves.		
- Other	Wear suitable prote	ctive clothing.			
Respiratory protection	In case of insufficie	ū	suitable respirato	ory equipment.	
Thermal hazards			•		
jiene measures	Always observe goo and before eating, o	Wear appropriate thermal protective clothing, when necessary. 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.			
rironmental exposure trols	applicable, use prod	Good general ventilation should be used. Ventilation rates should be matched to conditions. If 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 established, maintain airborne levels to an acceptable level.			

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state Solid.



Form filament Colour Natural colour.

Odour Slight.

Odour threshold Not available. Not available.

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

Initial boiling point and boiling

range

Not available.

Not available. Flash point **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 pressure Not available. Not available. Vapour density Not available. Relative density

Solubility(ies)

Soluble Solubility (water)

Not available. Partition coefficient

(n-octanol/water)

520 °C (968 °F) **Auto-ignition temperature Decomposition temperature** Not available. Not available. **Viscosity** Not explosive. **Explosive properties** Not oxidising. Oxidising properties

9.2. Other information

Density 1,19 - 1,31 g/cm³

SECTION 10: Stability and reactivity

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

Material is stable under normal conditions. 10.2. Chemical stability

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

Prolonged inhalation may be harmful. Inhalation

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

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

occupational exposure.

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

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

irritation

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



Respiratory sensitisationBased on available data, the classification criteria are not met.Skin sensitisationBased on available data, the classification criteria are not met.Germ cell mutagenicityBased on available data, the classification criteria are not met.CarcinogenicityBased 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 effectsNo 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.

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

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.

Special precautionsDispose in accordance with all applicable regulations.

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.

according to Annex II of MARPOL 73/78 and the IBC

14.7. Transport in bulk

Not applicable.

Code

SECTION 15: Regulatory information

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

EU regulations



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.

