# SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation

PC

of the mixture

Registration number

Synonyms POLYCARBONATE Issue date 21-August-2019

Version number 01

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

Identified uses 3D printer filament
Uses advised against None 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
polycarbonate	90 - 100	24936-68-3	-	-	

Classification: -

Chemical name % CAS-No. / EC No. REACH Registration No. Index No. Notes 80-05-7 Bisphenol-A < 0.1 604-030-00-0

201-245-8

Classification: Skin Sens. 1;H317, Eye Dam. 1;H318, STOT SE 3;H335, Repr. 1B;H360F, Aquatic

Chronic 2;H411

Other components below reportable

levels

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

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

**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.

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

4.2. Most important symptoms

Exposure may cause temporary irritation, redness, or discomfort.

and effects, both acute and 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.

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

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

personnel

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

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

Observe good industrial hygiene practices.

Material name: PC

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).

7.3. Specific end use(s)

Not available.

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

## 8.1. Control parameters

Occupational exposure limits

Components	Туре	Value	Form
Bisphenol-A (CAS 80-05-7)	Ceiling	5 mg/m3	Inhalable fraction.
	MAK	2 mg/m3	Inhalable fraction.
Belgium. Exposure Limit Values.			
Components	Туре	Value	
Bisphenol-A (CAS 80-05-7)	TWA	2 mg/m3	
Bulgaria. OELs. Regulation No 13 on	protection of workers again	nst risks of exposure to che	mical agents at work
Components	Туре	Value	Form
Bisphenol-A (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.
Croatia. Dangerous Substance Expo Components	sure Limit Values in the Wor Type	rkplace (ELVs), Annexes 1 a Value	and 2, Narodne Novine, 13/0 Form
Bisphenol-A (CAS 80-05-7)	MAC	2 mg/m3	Total dust.
Czech Republic. OELs. Government	Decree 361		
Components	Туре	Value	Form
Bisphenol-A (CAS 80-05-7)	Ceiling	5 mg/m3	Dust/aerosol, inhalable.
	TWA	2 mg/m3	Dust/aerosol, inhalable.
Denmark. Exposure Limit Values			
•	Туре	Value	Form
Components	<b>Type</b> TLV	Value 2 mg/m3	Particulate.
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposu	TLV	2 mg/m3	Particulate.
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposu 2001)	TLV	2 mg/m3	Particulate.
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposu 2001)  Components	TLV ure Limits of Hazardous Sub	2 mg/m3 stances. (Annex of Regulati	Particulate. ion No. 293 of 18 Septembe
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposu 2001)  Components  Bisphenol-A (CAS 80-05-7)	TLV  Ire Limits of Hazardous Substitution  Type  TWA	2 mg/m3 stances. (Annex of Regulati Value	Particulate. ion No. 293 of 18 Septembe Form
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposu 2001)  Components  Bisphenol-A (CAS 80-05-7)  Finland. Workplace Exposure Limits	TLV  Ire Limits of Hazardous Substitution  Type  TWA	2 mg/m3 stances. (Annex of Regulati Value	Particulate. ion No. 293 of 18 Septembe Form
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposu 2001)  Components  Bisphenol-A (CAS 80-05-7)  Finland. Workplace Exposure Limits Components	TLV  Ire Limits of Hazardous Substitution  Type  TWA	2 mg/m3 stances. (Annex of Regulati Value 2 mg/m3	Particulate. ion No. 293 of 18 Septembe Form
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposuze 2001)  Components  Bisphenol-A (CAS 80-05-7)  Finland. Workplace Exposure Limits Components  Bisphenol-A (CAS 80-05-7)  France. Threshold Limit Values (VLE)	TLV  Ire Limits of Hazardous Substitution  Type  TWA  Type  TWA	2 mg/m3 stances. (Annex of Regulati  Value 2 mg/m3  Value 2 mg/m3	Particulate.  ion No. 293 of 18 Septembe  Form  Respirable fraction.
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposuze 2001)  Components  Bisphenol-A (CAS 80-05-7)  Finland. Workplace Exposure Limits Components  Bisphenol-A (CAS 80-05-7)  France. Threshold Limit Values (VLE	TLV  Ire Limits of Hazardous Substitution  Type  TWA  Type  TWA	2 mg/m3 stances. (Annex of Regulati  Value 2 mg/m3  Value 2 mg/m3	Particulate.  ion No. 293 of 18 Septembe  Form  Respirable fraction.
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposu 2001)  Components  Bisphenol-A (CAS 80-05-7)  Finland. Workplace Exposure Limits Components  Bisphenol-A (CAS 80-05-7)  France. Threshold Limit Values (VLE Components	TLV  Ire Limits of Hazardous Substitution  Type  TWA  Type  TWA  TWA  P) for Occupational Exposure	2 mg/m3 stances. (Annex of Regulati  Value 2 mg/m3  Value 2 mg/m3 re to Chemicals in France, I	Particulate.  ion No. 293 of 18 Septembe  Form  Respirable fraction.
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposuze 2001)  Components  Bisphenol-A (CAS 80-05-7)  Finland. Workplace Exposure Limits Components  Bisphenol-A (CAS 80-05-7)  France. Threshold Limit Values (VLE Components  Bisphenol-A (CAS 80-05-7)	TLV  Ire Limits of Hazardous Substitution  Type  TWA  Type  TWA  P) for Occupational Exposur	2 mg/m3 stances. (Annex of Regulation Value 2 mg/m3 Value 2 mg/m3 re to Chemicals in France, I	Particulate.  ion No. 293 of 18 Septembe  Form  Respirable fraction.  NRS ED 984 Form
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposuze 2001)  Components  Bisphenol-A (CAS 80-05-7)  Finland. Workplace Exposure Limits Components  Bisphenol-A (CAS 80-05-7)  France. Threshold Limit Values (VLE Components  Bisphenol-A (CAS 80-05-7)  Regulatory status: Regulatory  Germany. DFG MAK List (advisory On the Work Area (DFG)	TLV  Ire Limits of Hazardous Substitute  Type  TWA  Type  TWA  P) for Occupational Exposur Type  VME  binding (VRC)  ELs). Commission for the In	2 mg/m3 stances. (Annex of Regulation Value 2 mg/m3  Value 2 mg/m3 re to Chemicals in France, Invalue 10 mg/m3	Particulate.  ion No. 293 of 18 Septembe  Form  Respirable fraction.  NRS ED 984 Form  Inhalable dust.  ds of Chemical Compounds
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposure 2001)  Components  Bisphenol-A (CAS 80-05-7)  Finland. Workplace Exposure Limits Components  Bisphenol-A (CAS 80-05-7)  France. Threshold Limit Values (VLE Components  Bisphenol-A (CAS 80-05-7)  Regulatory status: Regulatory  Germany. DFG MAK List (advisory On the Work Area (DFG)  Components	TLV  Ire Limits of Hazardous Substitute  Type  TWA  Type  TWA  P) for Occupational Exposur Type  VME binding (VRC)  ELs). Commission for the In	2 mg/m3 stances. (Annex of Regulation Value 2 mg/m3 Value 2 mg/m3 re to Chemicals in France, Invalue 10 mg/m3 sevestigation of Health Hazar	Particulate.  ion No. 293 of 18 Septembe  Form  Respirable fraction.  NRS ED 984 Form  Inhalable dust.
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposure 2001)  Components  Bisphenol-A (CAS 80-05-7)  Finland. Workplace Exposure Limits Components  Bisphenol-A (CAS 80-05-7)  France. Threshold Limit Values (VLE Components  Bisphenol-A (CAS 80-05-7)  Regulatory status: Regulatory  Germany. DFG MAK List (advisory On the Work Area (DFG)  Components	TLV  Ire Limits of Hazardous Substitute  Type  TWA  Type  TWA  P) for Occupational Exposur Type  VME  binding (VRC)  ELs). Commission for the In	2 mg/m3 stances. (Annex of Regulation Value 2 mg/m3  Value 2 mg/m3 re to Chemicals in France, Invalue 10 mg/m3	Particulate.  ion No. 293 of 18 Septembe  Form  Respirable fraction.  NRS ED 984 Form  Inhalable dust.  ds of Chemical Compounds
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposuzedol)  Components  Bisphenol-A (CAS 80-05-7)  Finland. Workplace Exposure Limits  Components  Bisphenol-A (CAS 80-05-7)  France. Threshold Limit Values (VLE Components  Bisphenol-A (CAS 80-05-7)  Regulatory status: Regulatory  Germany. DFG MAK List (advisory On the Work Area (DFG)  Components  Bisphenol-A (CAS 80-05-7)  Germany. TRGS 900, Limit Values in	TLV  Ire Limits of Hazardous Substitution Type TWA  Type TWA  P) for Occupational Exposur Type VME binding (VRC)  ELs). Commission for the In Type TWA	2 mg/m3 stances. (Annex of Regulation Value 2 mg/m3 Value 2 mg/m3 re to Chemicals in France, Invalue 10 mg/m3 sevestigation of Health Hazar Value 5 mg/m3	Particulate.  ion No. 293 of 18 Septembe  Form  Respirable fraction.  NRS ED 984 Form  Inhalable dust.  ds of Chemical Compounds  Form
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposuze 2001)  Components  Bisphenol-A (CAS 80-05-7)  Finland. Workplace Exposure Limits Components  Bisphenol-A (CAS 80-05-7)  France. Threshold Limit Values (VLE Components  Bisphenol-A (CAS 80-05-7)  Regulatory status: Regulatory  Germany. DFG MAK List (advisory On the Work Area (DFG)  Components  Bisphenol-A (CAS 80-05-7)  Germany. TRGS 900, Limit Values in Components	TLV  Ire Limits of Hazardous Substitution Type TWA  Type TWA  P) for Occupational Exposur Type VME binding (VRC)  ELs). Commission for the In Type TWA  the Ambient Air at the Work	2 mg/m3 stances. (Annex of Regulation Value 2 mg/m3 Value 2 mg/m3 re to Chemicals in France, Invalue 10 mg/m3 servestigation of Health Hazar Value 5 mg/m3	Particulate.  ion No. 293 of 18 Septembe  Form  Respirable fraction.  NRS ED 984 Form  Inhalable dust.  ds of Chemical Compounds  Form  Inhalable fraction.
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposuzional)  Components  Bisphenol-A (CAS 80-05-7)  Finland. Workplace Exposure Limits  Components  Bisphenol-A (CAS 80-05-7)  France. Threshold Limit Values (VLE Components  Bisphenol-A (CAS 80-05-7)  Regulatory status: Regulatory  Germany. DFG MAK List (advisory On the Work Area (DFG)  Components  Bisphenol-A (CAS 80-05-7)  Germany. TRGS 900, Limit Values in Components  Bisphenol-A (CAS 80-05-7)	TLV  Ire Limits of Hazardous Substitute  Type  TWA  Type  TWA  P) for Occupational Exposur Type  VME binding (VRC)  ELs). Commission for the In  Type  TWA  the Ambient Air at the Work Type  AGW	2 mg/m3 stances. (Annex of Regulation Value 2 mg/m3 Value 2 mg/m3 re to Chemicals in France, I Value 10 mg/m3 evestigation of Health Hazar Value 5 mg/m3 stylace Value	Particulate.  fon No. 293 of 18 Septembe  Form  Respirable fraction.  NRS ED 984 Form  Inhalable dust.  ds of Chemical Compounds Form  Inhalable fraction.  Form
Components  Bisphenol-A (CAS 80-05-7)  Estonia. OELs. Occupational Exposuze 2001)  Components  Bisphenol-A (CAS 80-05-7)  Finland. Workplace Exposure Limits Components  Bisphenol-A (CAS 80-05-7)  France. Threshold Limit Values (VLE Components  Bisphenol-A (CAS 80-05-7)	TLV  Ire Limits of Hazardous Substitute  Type  TWA  Type  TWA  P) for Occupational Exposur Type  VME binding (VRC)  ELs). Commission for the In  Type  TWA  the Ambient Air at the Work Type  AGW	2 mg/m3 stances. (Annex of Regulation Value 2 mg/m3 Value 2 mg/m3 re to Chemicals in France, I Value 10 mg/m3 evestigation of Health Hazar Value 5 mg/m3 stylace Value	Particulate.  fon No. 293 of 18 Septembe  Form  Respirable fraction.  NRS ED 984 Form  Inhalable dust.  ds of Chemical Compounds Form  Inhalable fraction.  Form

Hungary. OELs. Joint Decree on Chemical Components	Type	Value	Form	
Bisphenol-A (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.	
celand. OELs. Regulation 154/1999 on occ Components	cupational exposure limits Type	Value	Form	
Bisphenol-A (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.	
reland. Occupational Exposure Limits Components	Туре	Value	Form	
Bisphenol-A (CAS 80-05-7)	TWA	2 mg/m3	Inhalable dust.	
taly. Occupational Exposure Limits Components	Туре	Value	Form	
Bisphenol-A (CAS 80-05-7)	TWA	10 mg/m3	Inhalable dust.	
Latvia. OELs. Occupational exposure limit Components	t values of chemical substances in v Type	work environment Value	Form	
Bisphenol-A (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.	
Lithuania. OELs. Limit Values for Chemic Components	al Substances, General Requiremer Type	nts Value	Form	
Bisphenol-A (CAS 80-05-7)	TWA	2 mg/m3	Respirable dust.	
Luxembourg. Binding Occupational expos Components	sure limit values (Annex I), Memoria Type	l A Value	Form	
Bisphenol-A (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.	
Malta. OELs. Occupational Exposure Limit Schedules I and V)	t Values (L.N. 227. of Occupational	Health and Safety <i>I</i>	Authority Act (CAP. 424	
Components	Туре	Value	Form	
Bisphenol-A (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.	
Netherlands. OELs (binding) Components	Туре	Value	Form	
Bisphenol-A (CAS 80-05-7)	TWA	2 mg/m3	Inhalable fraction.	
Norway. Administrative Norms for Contam Components	ninants in the Workplace Type	Value	Form	
Bisphenol-A (CAS 80-05-7)	TLV	2 mg/m3	Inhalable fraction.	
Ordinance of the Minister of Labour and S ntensities of harmful health factors in the			ble concentrations and	
		•	Form	
Components	Туре	Value	Form	
Components Bisphenol-A (CAS 80-05-7)	Type TWA	Value 2 mg/m3	Form Inhalable fraction.	
Components Bisphenol-A (CAS 80-05-7) Portugal. OELs. Decree-Law n. 290/2001 (J	Type TWA	Value 2 mg/m3		
Components Bisphenol-A (CAS 80-05-7) Portugal. OELs. Decree-Law n. 290/2001 (J Components	Type  TWA  Journal of the Republic - 1 Series A	Value 2 mg/m3 , n.266)	Inhalable fraction.	
Components  Bisphenol-A (CAS 80-05-7)  Portugal. OELs. Decree-Law n. 290/2001 (Jomponents  Bisphenol-A (CAS 80-05-7)  Romania. OELs. Protection of workers from	Type  TWA  Journal of the Republic - 1 Series A  Type  TWA	Value 2 mg/m3 n.266) Value 2 mg/m3	Inhalable fraction.	
Components  Bisphenol-A (CAS 80-05-7)  Portugal. OELs. Decree-Law n. 290/2001 (Jomponents  Bisphenol-A (CAS 80-05-7)  Romania. OELs. Protection of workers from Components	Type  TWA  Journal of the Republic - 1 Series A  Type  TWA  m exposure to chemical agents at t	Value 2 mg/m3 , n.266) Value 2 mg/m3 he workplace	Inhalable fraction.  Form  Inhalable fraction.	
Components  Bisphenol-A (CAS 80-05-7)  Portugal. OELs. Decree-Law n. 290/2001 (Jomponents  Bisphenol-A (CAS 80-05-7)  Romania. OELs. Protection of workers from Components  Bisphenol-A (CAS 80-05-7)  Bisphenol-A (CAS 80-05-7)  Slovakia. OELs. Regulation No. 300/2007 of	Type  TWA  Journal of the Republic - 1 Series A Type  TWA  m exposure to chemical agents at t Type  TWA	Value 2 mg/m3 , n.266) Value 2 mg/m3 he workplace Value 2 mg/m3	Inhalable fraction.  Form Inhalable fraction.  Form Inhalable fraction.	
Components  Bisphenol-A (CAS 80-05-7)  Portugal. OELs. Decree-Law n. 290/2001 (J. Components  Bisphenol-A (CAS 80-05-7)  Romania. OELs. Protection of workers from Components  Bisphenol-A (CAS 80-05-7)  Slovakia. OELs. Regulation No. 300/2007 of Components  Bisphenol-A (CAS 80-05-7)	Type  TWA  Journal of the Republic - 1 Series A Type  TWA  m exposure to chemical agents at t Type  TWA  TWA  concerning protection of health in w	Value  2 mg/m3  n.266) Value  2 mg/m3 he workplace Value  2 mg/m3 vork with chemical	Inhalable fraction.  Form Inhalable fraction.  Form Inhalable fraction. agents	
Components  Bisphenol-A (CAS 80-05-7)  Portugal. OELs. Decree-Law n. 290/2001 (Jomponents  Bisphenol-A (CAS 80-05-7)  Romania. OELs. Protection of workers from Components  Bisphenol-A (CAS 80-05-7)  Biovakia. OELs. Regulation No. 300/2007 of Components	Type  TWA  Journal of the Republic - 1 Series A  Type  TWA  m exposure to chemical agents at t  Type  TWA  concerning protection of health in w  Type  TWA  concerning protection of health in w  Type	Value  2 mg/m3  n.266) Value  2 mg/m3  he workplace Value  2 mg/m3  vork with chemical Value  2 mg/m3	Inhalable fraction.  Form Inhalable fraction.  Form Inhalable fraction.  agents Form Inhalable fraction.	
Components  Bisphenol-A (CAS 80-05-7)  Portugal. OELs. Decree-Law n. 290/2001 (Jomponents  Bisphenol-A (CAS 80-05-7)  Romania. OELs. Protection of workers from Components  Bisphenol-A (CAS 80-05-7)  Slovakia. OELs. Regulation No. 300/2007 of Components  Bisphenol-A (CAS 80-05-7)  Slovakia. OELs. Regulation Sconcerning p	Type  TWA  Journal of the Republic - 1 Series A  Type  TWA  m exposure to chemical agents at t  Type  TWA  concerning protection of health in w  Type  TWA  concerning protection of health in w  Type	Value  2 mg/m3  n.266) Value  2 mg/m3  he workplace Value  2 mg/m3  vork with chemical Value  2 mg/m3	Inhalable fraction.  Form Inhalable fraction.  Form Inhalable fraction.  agents Form Inhalable fraction.	

Spain. Occupational Exposure Limits

Components Value Type Bisphenol-A (CAS 80-05-7) **TWA** 2 mg/m3

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7) **Form** Components Value Type

**TWA** Inhalable dust. Bisphenol-A (CAS 80-05-7) 2 mg/m3

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components Type Bisphenol-A (CAS 80-05-7) STEL 5 mg/m3 Inhalable fraction. **TWA** 5 mg/m3 Inhalable fraction.

**UK. EH40 Workplace Exposure Limits (WELs)** 

Value Components Type

Bisphenol-A (CAS 80-05-7) **TWA** 2 mg/m3

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU Components Type Value

TWA Inhalable fraction. Bisphenol-A (CAS 80-05-7) 2 mg/m3

No biological exposure limits noted for the ingredient(s). **Biological limit values** 

Recommended monitoring

procedures

Follow standard monitoring procedures.

Derived no effect levels

(DNELs)

Not available.

Not available.

Predicted no effect

concentrations (PNECs)

8.2. Exposure controls

Appropriate engineering controls

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

Value

Form

established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Personal protection equipment should be chosen according to the CEN standards and in **General information** 

discussion with the supplier of the personal protective equipment.

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

- Hand protection Wear appropriate chemical resistant gloves.

- Other Wear suitable protective clothing.

In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures 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.

**Environmental exposure** 

controls

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. filament **Form** 

Colour Color depends on product specification

Odour Slight.

Not available. **Odour threshold** Not available. pН > 135 °C (> 275 °F) Melting point/freezing point

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) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature > 550 °C (> 1022 °F)

Decomposition temperatureNot available.ViscosityNot available.Explosive propertiesNot explosive.Oxidising propertiesNot oxidising.

9.2. Other information

**Density** 1,10 - 1,30 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. Strong oxidising agents.

10.5. Incompatible materials

10.6. Hazardous

Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

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

InhalationBased on available data, the classification criteria are not met.Skin contactBased on available data, the classification criteria are not met.Eye contactBased 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

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

Specific target organ toxicity -

single exposure

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

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

**EU waste code** The Waste

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 precautions** 

Dispose 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.

14.7. Transport in bulk

Not applicable.

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

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

H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.

H360F May damage fertility.

H411 Toxic to aquatic life with long lasting effects.

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.