



Page 1 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

# Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

#### 1.1 Product identifier

### 4F-Primer porous 10 kg

Art.: 9095820

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

Coating

# Uses advised against:

No information available at present.

# 1.3 Details of the supplier of the safety data sheet

BTI Befestigungstechnik GmbH & Co. KG

Salzstr. 51

74653 Ingelfingen Tel.: +49 7940 141 141 Fax: +49 7940 141 9141 Email: info@bti.de Homepage: www.bti.de

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

# 1.4 Emergency telephone number

Emergency information services / official advisory body:

---

# Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (BRC)

# **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

### Classification according to Regulation (EC) 1272/2008 (CLP)

Hazard class	Hazard category	Hazard statement
Flam. Liq.	3	H226-Flammable liquid and vapour.
Acute Tox.	4	H332-Harmful if inhaled.
STOT RE	2	H373-May cause damage to organs through prolonged or
		repeated exposure.
Eye Irrit.	2	H319-Causes serious eye irritation.
STOT SE	3	H335-May cause respiratory irritation.





Page 2 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

Skin Irrit.	2	H315-Causes skin irritation.
Resp. Sens.	1	H334-May cause allergy or asthma symptoms or breathing
		difficulties if inhaled.
Skin Sens.	1	H317-May cause an allergic skin reaction.
Asp. Tox.	1	H304-May be fatal if swallowed and enters airways.
Carc.	2	H351-Suspected of causing cancer.
Aquatic Chronic	3	H412-Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)



Danger

H226-Flammable liquid and vapour. H332-Harmful if inhaled. H373-May cause damage to organs through prolonged or repeated exposure. H319-Causes serious eye irritation. H335-May cause respiratory irritation. H315-Causes skin irritation. H334-May cause allergy or asthma symptoms or breathing difficulties if inhaled. H317-May cause an allergic skin reaction. H304-May be fatal if swallowed and enters airways. H351-Suspected of causing cancer. H412-Harmful to aquatic life with long lasting effects.

P201-Obtain special instructions before use. P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260-Do not breathe vapours or spray. P273-Avoid release to the environment. P280-Wear protective gloves / protective clothing / eye protection / face protection. P301+P310-IF SWALLOWED: Immediately call a POISON CENTER / doctor. P304+P340-IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308+P313-IF exposed or concerned: Get medical advice / attention. P331-Do NOT induce vomiting.

EUH204-Contains isocyanates. May produce an allergic reaction.

Maleic anhydride

m-tolylidene diisocyanate

Diphenylmethanediisocyanate, isomeres and homologues

Reaction mass of ethylbenzene and m-xylene and p-xylene

Addition reaction products of conjugated sunflower-oil fatty acids and tall-oil fatty acids with maleic anhydride

# 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 < 0.1 %).





Page 3 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

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

# 3.1 Substance

n.a.

# 3.2 Mixture

Reaction mass of ethylbenzene and m-xylene and p-	Substance for which an EU exposure limit
xylene	value applies.
Registration number (REACH)	01-2119488216-32-XXXX
Index	
EINECS, ELINCS, NLP	905-562-9 (REACH-IT List-No.)
CAS	
content %	25-50
Classification according to Regulation (EC) 1272/2008	Flam. Liq. 3, H226
(CLP)	Asp. Tox. 1, H304
	Acute Tox. 4, H312
	Skin Irrit. 2, H315
	Eye Irrit. 2, H319
	Acute Tox. 4, H332
	STOT SE 3, H335
	STOT RE 2, H373 (organs of hearing)
	Aquatic Chronic 3, H412

2-methoxy-1-methylethyl acetate	Substance for which an EU exposure limit		
	value applies.		
Registration number (REACH)	01-2119475791-29-XXXX		
Index	607-195-00-7		
EINECS, ELINCS, NLP	203-603-9		
CAS	108-65-6		
content %	10-25		
Classification according to Regulation (EC) 1272/2008	Flam. Liq. 3, H226		
(CLP)			

Diphenylmethanediisocyanate, isomeres and homologues	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	
CAS	9016-87-9
content %	10-25
Classification according to Regulation (EC) 1272/2008	Acute Tox. 4, H332
(CLP)	Eye Irrit. 2, H319
	STOT SE 3, H335
	Skin Irrit. 2, H315
	Resp. Sens. 1, H334
	Skin Sens. 1, H317
	Carc. 2, H351
	STOT RE 2, H373

m-tolylidene diisocyanate	
Registration number (REACH)	01-2119454791-34-XXXX
Index	615-006-00-4
EINECS, ELINCS, NLP	247-722-4





Page 4 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

CAS	26471-62-5
content %	0,1-<1
Classification according to Regulation (EC) 1272/2008	Carc. 2, H351
(CLP)	Acute Tox. 1, H330
	Eye Irrit. 2, H319
	STOT SE 3, H335
	Skin Irrit. 2, H315
	Resp. Sens. 1, H334
	Skin Sens. 1, H317
	Aquatic Chronic 3, H412

Addition reaction products of conjugated sunflower-oil	
fatty acids and tall-oil fatty acids with maleic anhydride	
Registration number (REACH)	01-2119976378-19-XXXX
Index	
EINECS, ELINCS, NLP	
CAS	
content %	0,1-<1
Classification according to Regulation (EC) 1272/2008	Skin Irrit. 2, H315
(CLP)	Skin Sens. 1, H317

Maleic anhydride	
Registration number (REACH)	01-2119472428-31-XXXX
Index	607-096-00-9
EINECS, ELINCS, NLP	203-571-6
CAS	108-31-6
content %	0,001-<0,1
Classification according to Regulation (EC) 1272/2008	Acute Tox. 4, H302
(CLP)	Skin Corr. 1B, H314
	Resp. Sens. 1, H334
	Eye Dam. 1, H318
	Skin Sens. 1A, H317
	STOT RE 1, H372 (respiratory system) (as
	inhalation)

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

# **SECTION 4: First aid measures**

# 4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

### Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

If the person is unconscious, place in a stable side position and consult a doctor.

# Skin contact





Page 5 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

#### **Eve contact**

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

#### Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting. Consult doctor immediately.

Danger of aspiration.

In case of vomiting, keep head low so that the stomach content does not reach the lungs.

### 4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

Watering eyes

Drying of the skin.

Dermatitis (skin inflammation)

Allergic reaction possible.

In case of sensitivity, concentrations below the limit value may already result in asthmatic symptoms.

Ingestion:

Nausea

Vomiting

Danger of aspiration.

Oedema of the lungs

Chemical pneumonitis (condition similar to pneumonia)

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

Gastric lavage (stomach washing) only under endotracheal intubation.

Subsequent observation for pneumonia and pulmonary oedema.

### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

### Suitable extinguishing media

Water jet spray/foam/CO2/dry extinguisher

### Unsuitable extinguishing media

High volume water jet

# 5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Hydrogen cyanide

Toxic gases

Explosive vapour/air or gas/air mixtures.

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Cool container at risk with water.

Dispose of contaminated extinction water according to official regulations.





Page 6 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

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

### 6.1 Personal precautions, protective equipment and emergency procedures

Keep unprotected persons away.

Ensure sufficient supply of air.

Remove possible causes of ignition - do not smoke.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

#### 6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities.

# 6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.

Fill the absorbed material into lockable containers.

#### 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

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

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

#### 7.1 Precautions for safe handling

# 7.1.1 General recommendations

Ensure good ventilation.

Avoid inhalation of the vapours.

Keep away from sources of ignition - Do not smoke.

Take precautions against electrostatic charges.

Avoid contact with eyes or skin.

No contact with products of this type in case of allergies, asthma und chronic respiratory tract disorders.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

### 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

# 7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

Observe special storage conditions.

Under all circumstances prevent penetration into the soil.

Do not store with flammable or self-igniting materials.

Protect from direct sunlight and warming.

Store in a well ventilated place.

Store cool.



Content

<0,1

Œ

Page 7 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

# 7.3 Specific end use(s)

No information available at present.

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

# **8.1 Control parameters**

WEL-TWA: 1 mg/m3

Chemical Name	Reaction mass of ethylbenzene and m-xylene and p-xylene				%:25-50	
WEL-TWA: 220 mg/m3 (5	50 ppm) WEL-STEL: 100 ppm (441 mg/m3					
(WEL), 50 ppm (221 mg/m3)		(WEL), 100 ppm (442 m				
(Xylene), 100 ppm (441mg/	/m3) (WEL),	(Xylene), 125 ppm (552)	mg/m3) (WEL),			
100 ppm (442 mg/m3) (EU)		200 ppm (884 mg/m3) (E	EU)			
(Ethylbenzene)		(Ethylbenzene)				
Monitoring procedures:	- ]	Draeger - Hydrocarbons 2/a	a (81 03 581)			
		Draeger - Hydrocarbons 0,1				
		MTA/MA-030/A92 (Deterr				
		(benzene, toluene, ethylben				
		n air - Charcoal tube metho				
		project BC/CEN/ENTR/000				
BMGV: 650 mmol methyl			Other information:	,	,	
post shift (Xylene, o-, m-, p-	or mixed isome	ers) (BMGV) (Xylene)	(Xylene), Sk (WE	EL) (Etł	nylbenzene)	
® Charles I Name	2				Content	
<b>Chemical Name</b>	2-metnoxy-1-	methylethyl acetate			%:10-25	
	WEL-TWA: 50 ppm (274 mg/m3) WEL-STEL: 100 ppm (548 mg/m3)					
	(WEL), 50 ppm (275 mg/m3) (EU) (WEL), 100 ppm (550 mg/m3) (EU)					
Monitoring procedures:		MTA/MA-024/A92 (Deteri				
		propyl acetate, 2-ethoxyeth		harcoal	tube method	
		Gas chromatography) - 19				
	- ]	BC/CEN/ENTR/000/2002-	, ,			
BMGV:			Other information:	: Sk (	WEL)	
Chemical Name Diphenylmethanediisocyanate, isomeres and homologues					Content	
<b>Chemical Name</b>	Diphenyimeur	ianeunsocyanate, isomeres	and nomologues		%:10-25	
WEL-TWA: 0,02 mg/m3 (	Isocyanates,	WEL-STEL: 0,07 mg/r	n3 (Isocyanates,			
all (as -NCO))		all (as -NCO))				
Monitoring procedures:	-					
BMGV: 1 µmol isocyanate-derived diamine/mol creatinine in urine Other information: Sen					(Isocyanates,	
(At the end of the period of e	xposure)		all (as -NCO))			
(B) (I) IN	. 1 11 1	1,,			Content	
Chemical Name	m-tolylidene o	liisocyanate			%:0,1-<1	
WEL-TWA: 0,02 mg/m3 (	Isocyanates,	WEL-STEL: 0,07 mg/r	n3 (Isocyanates,			
all (as -NCO))	-	all (as -NCO))	-			
Monitoring procedures:						
BMGV: 1 µmol isocyanate-derived diamine/mol creatinine in urine Other information: Sen					(Isocyanates,	
(At the end of the period of e	xposure)		all (as -NCO))			
(B)						
					Content	
Chemical Name	Maleic anhydi	ride			Content %:0,001-	

WEL-STEL:

3 mg/m3





Page 8 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

BMGV:	Other information: Sen

Reaction mass of ethylbenzene and m-xylene and p-xylene						
Area of application	Exposure route /	Effect on health	Descript	Value	Unit	Note
	Environmental		or			
	compartment					
	Environment -		PNEC	0,327	mg/l	
	freshwater					
	Environment - marine		PNEC	0,327	mg/l	
	Environment -		PNEC	12,46	mg/kg	
	sediment, freshwater					
	Environment -		PNEC	12,46	mg/kg	
	sediment, marine					
	Environment - soil		PNEC	2,31	mg/kg	
	Environment -		PNEC	6,58	mg/l	
	sewage treatment					
	plant					
Workers / employees	Human - inhalation	Long term,	DNEL	221	mg/m3	
		systemic effects				
Workers / employees	Human - inhalation	Short term,	DNEL	442	mg/m3	
		systemic effects				

2-methoxy-1-methylet	thyl acetate					
Area of application	Exposure route / Environmental	Effect on health	Descript or	Value	Unit	Note
	compartment					
	Environment -		PNEC	0,635	mg/l	
	freshwater					
	Environment -		PNEC	3,29	mg/kg	
	sediment, freshwater					
	Environment -		PNEC	0,329	mg/kg	
	sediment, marine					
	Environment - soil		PNEC	0,29	mg/kg	
	Environment -		PNEC	100	mg/l	
	sewage treatment					
	plant					
	Environment - marine		PNEC	0,063	mg/l	
				5		
	Environment - water,		PNEC	6,35	mg/l	
	sporadic					
	(intermittent) release					
Consumer	Human - inhalation	Long term, systemic effects	DNEL	33	mg/m3	
Consumer	Human - dermal	Long term,	DNEL	54,8	mg/kg	
	*** 1	systemic effects	DAIDI	1.65		
Consumer	Human - oral	Long term, systemic effects	DNEL	1,67	mg/kg	





Page 9 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

Workers / employees	Human - dermal	Long term, systemic effects	DNEL	153,5	mg/kg	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	275	mg/m3	

Area of application	ocyanate, isomeres and h Exposure route /	Effect on health	Descript	Value	Unit	Note
1.1	Environmental		or			
	compartment					
	Environment -		PNEC	1	mg/l	
	freshwater					
	Environment - marine		PNEC	0,1	mg/l	
	Environment - water,		PNEC	10	mg/l	
	sporadic					
	(intermittent) release					
	Environment -		PNEC	1	mg/l	
	sewage treatment				_	
	plant					
	Environment - soil		PNEC	1	mg/kg	
Consumer	Human - oral	Short term, local	DNEL	20	mg/kg	
		effects			bw/d	
Consumer	Human - inhalation	Short term, local	DNEL	0,05	mg/m3	
		effects				
Consumer	Human - inhalation	Short term,	DNEL	0,05	mg/m3	
		systemic effects				
Consumer	Human - inhalation	Long term, local	DNEL	0,025	mg/m3	
		effects				
Consumer	Human - inhalation	Long term,	DNEL	0,025	mg/m3	
		systemic effects				
Consumer	Human - dermal	Short term, local	DNEL	17,2	mg/cm2	
		effects				
Consumer	Human - dermal	Short term,	DNEL	25	mg/kg	
		systemic effects			bw/d	
Workers / employees	Human - inhalation	Short term, local	DNEL	0,1	mg/m3	
		effects				
Workers / employees	Human - inhalation	Short term,	DNEL	0,1	mg/m3	
		systemic effects				
Workers / employees	Human - inhalation	Long term, local	DNEL	0,05	mg/m3	
*** 1 / -	ļ	effects		0.0-	, -	
Workers / employees	Human - inhalation	Long term,	DNEL	0,05	mg/m3	
XX7 1 / 1	TT 1 1	systemic effects	DAILL	20.7	/ 2	
Workers / employees	Human - dermal	Short term, local	DNEL	28,7	mg/cm2	
XX7 1 / 1	TT 1 1	effects	DAILL	<b>50</b>	/1	
Workers / employees	Human - dermal	Short term,	DNEL	50	mg/kg	
		systemic effects			bw/d	

# Maleic anhydride





Page 10 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

the goal of revision.

Area of application	Exposure route / Environmental compartment	Effect on health	Descript or	Value	Unit	Note
	Environment - freshwater		PNEC	0,042 81	mg/l	
	Environment - marine		PNEC	0,004 281	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	0,428	mg/l	
	Environment - sewage treatment plant		PNEC	44,6	mg/l	
	Environment - sediment, freshwater		PNEC	0,334	mg/l	
	Environment - sediment, marine		PNEC	0,033 4	mg/l	
	Environment - soil		PNEC	0,041 5	mg/l	
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	0,04	mg/kg body weight/d ay	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	0,8	mg/m3	
Workers / employees	Human - dermal	Short term, local effects	DNEL	0,04	mg/cm2	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	0,8	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	0,04	mg/kg	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	0,4	mg/m3	
Workers / employees	Human - dermal	Long term, local effects	DNEL	0,04	mg/kg body weight/d ay	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	0,4	mg/m3	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

\*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with





Page 11 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

#### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. BS EN 14042.

BS EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

# 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

# Eye/face protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:

Chemical resistant protective gloves (EN 374).

Recommended

Protective gloves in butyl rubber (EN 374).

Minimum layer thickness in mm:

>=0.5

Safety gloves made of fluorocarbon rubber (EN 374).

Minimum layer thickness in mm:

>= 0,4

Permeation time (penetration time) in minutes:

>= 480

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Protective hand cream recommended.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:

If OES or MEL is exceeded.

Filter A2 P2 (EN 14387), code colour brown, white

Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.





Page 12 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

#### 8.2.3 Environmental exposure controls

No information available at present.

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

### 9.1 Information on basic physical and chemical properties

Physical state: Liquid

Colour: Light yellow, Transparent

Odour: Characteristic
Odour threshold: Not determined
pH-value: Not determined
Melting point/freezing point: Not determined

Initial boiling point and boiling range: 130 °C

Flash point: 27 °C (Xylene) Evaporation rate: Not determined

Flammability (solid, gas):

Lower explosive limit:

Upper explosive limit:

Vapour pressure:

Vapour density (air = 1):

Density:

n.a.

0,8 Vol-%

10,8 Vol-%

Not determined

Not determined

1 g/cm3 (20°C)

Bulk density: n.a.

Solubility(ies):

Water solubility:

Partition coefficient (n-octanol/water):

Not determined

Not determined

Auto-ignition temperature: 488 °C (Ignition temperature Xylene)

Decomposition temperature: Not determined Viscosity: <40 mPas (20°C)

Explosive properties: Product is not explosive. When using: development of

explosive vapour/air mixture possible.

Oxidising properties: No

9.2 Other information

Miscibility: Not determined
Fat solubility / solvent: Not determined
Conductivity: Not determined
Surface tension: Not determined
Solvents content: Not determined





Page 13 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

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

#### 10.1 Reactivity

The product has not been tested.

### 10.2 Chemical stability

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

# 10.4 Conditions to avoid

Heating, open flame, ignition sources

Electrostatic charge

# 10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

# 10.6 Hazardous decomposition products

No decomposition when used as directed.

### **SECTION 11: Toxicological information**

# 11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

4F-Primer porous 10 kg						
Art.: 9095820						
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes
	nt					
Acute toxicity, by oral						n.d.a.
route:						
Acute toxicity, by	ATE	3242	mg/kg			calculated
dermal route:						value
Acute toxicity, by	ATE	17,7	mg/l/4h			calculated
inhalation:						value,
						Vapours
Skin corrosion/irritation:						n.d.a.
Serious eye						n.d.a.
damage/irritation:						
Respiratory or skin						n.d.a.
sensitisation:						
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ						n.d.a.
toxicity - single						
exposure (STOT-SE):						
Specific target organ						n.d.a.
toxicity - repeated						
exposure (STOT-RE):						
Aspiration hazard:						Asp. Tox. 1
Symptoms:						n.d.a.

# Reaction mass of ethylbenzene and m-xylene and p-xylene





Page 14 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes
	nt					
Acute toxicity, by oral	LD50	3523	mg/kg	Rat	Regulation (EC)	
route:					440/2008 B.1	
					(ACUTE ORAL	
					TOXICITY)	
Acute toxicity, by	LC50	6350	ppm	Rat	Regulation (EC)	Vapours
inhalation:					440/2008 B.2	_
					(ACUTE	
					TOXICITY	
					(INHALATION))	
Germ cell mutagenicity:					OECD 478	Negative,
					(Genetic	Analogous
					Toxicology -	conclusion
					Rodent dominant	
					Lethal Test)	
Germ cell mutagenicity:				Salmonella	OECD 471	Negative,
				typhimuri	(Bacterial Reverse	Analogous
				um	Mutation Test)	conclusion
Aspiration hazard:						Asp. Tox. 1

Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes
•	nt					
Acute toxicity, by oral	LD50	>5000	mg/kg	Rabbit	OECD 401 (Acute	
route:					Oral Toxicity)	
Acute toxicity, by oral route:	LD50	>8532	mg/kg	Rat		
Acute toxicity, by	LD50	>5000	mg/kg	Rat		
dermal route:						
Acute toxicity, by inhalation:	LC50	>23,8	mg/l/6h	Rat		
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosio n)	Not irritant
Serious eye damage/irritation:				Rabbit		Mild irritan
Respiratory or skin sensitisation:						Not sensitizising
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	No (skin contact)
Germ cell mutagenicity:					OECD 471	No
					(Bacterial Reverse	indications
					Mutation Test)	of such an
						effect.





Page 15 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Symptoms:		respiratory
		distress,
		drowsiness,
		unconsciousn
		ess,
		vomiting,
		headaches,
		mucous
		membrane
		irritation,
		dizziness,
		nausea

Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes
•	nt			8		
Acute toxicity, by oral	LD50	>10000	mg/kg	Rat	OECD 401 (Acute	
route:					Oral Toxicity)	
Acute toxicity, by	LD50	>9400	mg/kg	Rabbit	OECD 402 (Acute	
dermal route:					Dermal Toxicity)	
Acute toxicity, by	LC50	0,49	mg/l/4h	Rat	OECD 403 (Acute	Aerosol,
inhalation:					Inhalation	Does not
					Toxicity)	conform
						with EU
						classification
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Irritant
					Dermal	
					Irritation/Corrosio	
					n)	
Serious eye				Rabbit	OECD 405 (Acute	Mild irritant
damage/irritation:					Eye	
					Irritation/Corrosio	
					n)	
Respiratory or skin				Guinea pig	OECD 406 (Skin	Yes (skin
sensitisation:					Sensitisation)	contact)
Germ cell mutagenicity:					OECD 474	Negative
					(Mammalian	
					Erythrocyte Micronucleus	
Comoino cominitary		1		Rat	Test) OECD 453	Positive
Carcinogenicity:		1	mg/m3	Kat	(Combined	Positive
					Chronic	
					Toxicity/Carcinoge	
					nicity Studies)	
Reproductive toxicity:	NOAEL	12	mg/m3	Rat	OECD 414	Negative,
reproductive toxicity.	NOALL	1.2	mg/ms	rai	(Prenatal	Aerosol
					Developmental	Actusui
					Toxicity Study)	





Page 16 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Reproductive toxicity (Developmental toxicity):		4		Rat	OECD 414 (Prenatal Developmental Toxicity Study)	Negative
Reproductive toxicity (Effects on fertility):				Rat	OECD 414 (Prenatal Developmental Toxicity Study)	Negative
Specific target organ toxicity - single exposure (STOT-SE):						Irritation of the respiratory tract
Specific target organ toxicity - repeated exposure (STOT-RE):	NOEC	0,2	mg/kg		OECD 453 (Combined Chronic Toxicity/Carcinoge nicity Studies)	
Aspiration hazard:						No
Symptoms:						fever, coughing, headaches, nausea and vomiting., dizziness, breathing difficulties, laryngeal oedema, abdominal pain, diarrhoea
Specific target organ toxicity - single exposure (STOT-SE), inhalative:						Target organ(s): respiratory organs, May cause respiratory irritation.

m-tolylidene diisocyanate							
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes	
	nt						
Acute toxicity, by oral	LD50	5800	mg/kg	Rat			
route:							





Page 17 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Symptoms:		asthmatic
		symptoms,
		breathing
		difficulties,
		eyes,
		reddened,
		coughing,
		mucous
		membrane
		irritation

Toxicity / effect	Endpoi nt	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral	LD50	>2000	mg/kg	Rat	OECD 423 (Acute	
route:					Oral Toxicity -	
					Acute Toxic Class	
					Method)	
Skin corrosion/irritation:					OECD 439 (In	Skin Irrit. 2
					Vitro Skin	
					Irritation -	
					Reconstructed	
					Human Epidermis	
					Test Method)	
Serious eye				Rabbit	OECD 405 (Acute	Not irritant
damage/irritation:					Eye	
•					Irritation/Corrosio	
					n)	
Respiratory or skin				Mouse	OECD 429 (Skin	Sensitising
sensitisation:					Sensitisation -	(skin
					Local Lymph	contact)
					Node Assay)	
Germ cell mutagenicity:					OECD 471	Negative
					(Bacterial Reverse	
					Mutation Test)	
Reproductive toxicity	NOAEL	>=1000	mg/kg	Rat	OECD 422	
(Developmental					(Combined	
toxicity):					Repeated Dose	
					Tox. Study with	
					the	
					Reproduction/Dev	
					elopm. Tox.	
					Screening Test)	





Page 18 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Reproductive toxicity	NOAEL	1000	mg/kg	Rat	OECD 422
(Effects on fertility):					(Combined
					Repeated Dose
					Tox. Study with
					the
					Reproduction/Dev
					elopm. Tox.
					Screening Test)

Maleic anhydride										
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes				
	nt									
Acute toxicity, by oral	LD50	1090	mg/kg	Rat	OECD 401 (Acute					
route:					Oral Toxicity)					
Acute toxicity, by	LD50	2620	mg/kg	Rabbit						
dermal route:										
Acute toxicity, by	LC50	>4,35	mg/l/4h	Mouse						
inhalation:										
Skin corrosion/irritation:				Human		Corrosive				
				being						
Skin corrosion/irritation:				Rat		Corrosive				
Serious eye				Rabbit		Corrosive,				
damage/irritation:						Risk of				
						serious				
						damage to				
						eyes.				
Respiratory or skin				Guinea pig	OECD 406 (Skin	Sensitising				
sensitisation:					Sensitisation)	(skin				
						contact)				
Respiratory or skin				Rat		Sensitising				
sensitisation:						(inhalation)				
Germ cell mutagenicity:					bacterial	References,				
						Negative				
Carcinogenicity:	NOAEL	>100	mg/kg	Rat		oral				
			bw/d							
Reproductive toxicity:	NOAEC	650	mg/kg	Rat						
			bw/d							





Page 19 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

Symptoms:		asthmatic
		symptoms,
		breathing
		difficulties,
		respiratory
		distress,
		burning of
		the
		membranes
		of the nose
		and throat,
		blisters,
		coughing,
		headaches,
		gastrointestin
		al
		disturbances,
		mucous
		membrane
		irritation,
		watering
		eyes, nausea

# **SECTION 12: Ecological information**

Possibly more information on environmental effects, see Section 2.1 (classification).

4F-Primer porous 10 kg										
Art.: 9095820										
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes			
12.1. Toxicity to							n.d.a.			
fish:										
12.1. Toxicity to							n.d.a.			
daphnia:										
12.1. Toxicity to							n.d.a.			
algae:										
12.2. Persistence							n.d.a.			
and degradability:										
12.3.							n.d.a.			
Bioaccumulative										
potential:										
12.4. Mobility in							n.d.a.			
soil:										
12.5. Results of							n.d.a.			
PBT and vPvB										
assessment										
12.6. Other							n.d.a.			
adverse effects:										





Page 20 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Other information:		With water
		at the
		interface,
		transforms
		slowly with
		formation of
		CO2 into a
		firm,
		insoluble
		reaction
		product with
		a high
		melting
		point
		(polycarbami
		de).
		According
		to
		experience
		available to
		date,
		polycarbami
		de is inert
		and non-
		degradable.

Reaction mass of ethylbenzene and m-xylene and p-xylene									
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes		
12.5. Results of							No PBT		
PBT and vPvB							substance,		
assessment							No vPvB		
							substance		
Toxicity to	NOEC/NO	14d	16	mg/kg					
annelids:	EL			dw					

2-methoxy-1-meth	ylethyl acetat	e					
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to	LC50	96h	100-	mg/l	Oncorhynchus	OECD 203	
fish:			180		mykiss	(Fish, Acute	
						Toxicity Test)	
12.1. Toxicity to	LC50	96h	>100-	mg/l	Oncorhynchus	OECD 203	
fish:			180		mykiss	(Fish, Acute	
						Toxicity Test)	
12.1. Toxicity to	EC50	48h	>500	mg/l	Daphnia		
daphnia:					magna		
12.1. Toxicity to	EC50	48h	>500	mg/l	Daphnia	OECD 202	
daphnia:					magna	(Daphnia sp.	
						Acute	
						Immobilisatio	
						n Test)	





Page 21 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

12.1. Toxicity to daphnia:	NOEC/NO EL	21d	>100	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproduction Test)	
12.1. Toxicity to algae:	EC50	72h	>1000	mg/l	Selenastrum capricornutum	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		10d	83	%		OECD 301 F (Ready Biodegradabil ity - Manometric Respirometry Test)	Readily biodegradabl e
12.4. Mobility in soil:	Koc		1,7			,	
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC20	30min	>1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	

Diphenylmethanediisocyanate, isomeres and homologues										
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes			
12.1. Toxicity to	LC50	96h	>1000	mg/l	Brachydanio	OECD 203				
fish:					rerio	(Fish, Acute				
						Toxicity Test)				
12.1. Toxicity to	NOEC/NO	21d	>10	mg/l	Daphnia	OECD 211				
daphnia:	EL				magna	(Daphnia				
						magna				
						Reproduction				
						Test)				
12.1. Toxicity to	EC50	24h	>1000	mg/l	Daphnia	OECD 202				
daphnia:					magna	(Daphnia sp.				
						Acute				
						Immobilisatio				
						n Test)				





Page 22 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

12.1. Toxicity to algae:	EC50	72h	>1640	mg/l	Scenedesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	0	%		OECD 301 C (Ready Biodegradabil ity - Modified MITI Test (I))	Not biodegradabl e
12.3. Bioaccumulative potential:	BCF	42d	<14		Cyprinus caprio	OECD 305 (Bioconcentra tion - Flow- Through Fish Test)	A notable biological accumulation potential is not to be expected (LogPow 1-3).
12.5. Results of PBT and vPvB assessment							No PBT substance
Toxicity to bacteria:	EC50	3h	>100	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other organisms:	NOEC/NO EL	14d	>1000	mg/kg	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	
Other information:	BOD	28d	<10	%		OECD 302 C (Inherent Biodegradabil ity - Modified MITI Test (II))	
Other information:							Does not contain any organically bound halogens which can contribute to the AOX value in waste water.





Page 23 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Addition reaction products of conjugated sunflower-oil fatty acids and tall-oil fatty acids with maleic anhydride											
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes				
12.2. Persistence	•	28d	40	%	J	OECD 301 F	Not readily				
and degradability:						(Ready	biodegradabl				
						Biodegradabil	e				
						ity -					
						Manometric					
						Respirometry					
						Test)					
12.3.	Log Pow		1								
Bioaccumulative											
potential:											
12.1. Toxicity to	LL50	48h	>150	mg/l	Leuciscus idus	DIN 38412					
fish:						T.15					
12.1. Toxicity to	EL50	48h	>100	mg/l	Daphnia	OECD 202					
daphnia:					magna	(Daphnia sp.					
						Acute					
						Immobilisatio					
						n Test)					
12.1. Toxicity to	EL50	72h	>100	mg/l	Pseudokirchne	OECD 201					
algae:					riella	(Alga,					
					subcapitata	Growth					
						Inhibition					
TD ::/	ECSO	21	. 1000	/1	1	Test)					
Toxicity to bacteria:	EC50	3h	>1000	mg/l	activated	OECD 209					
bacteria:					sludge	(Activated					
						Sludge, Respiration					
						Inhibition					
						Test (Carbon					
						and					
						Ammonium					
						Oxidation))					
12.4. Mobility in	Log Koc		<=3,2			OECD 121					
soil:	208 1100		` ` ` ,			(Estimation					
						of the					
						Adsorption					
						Coefficient					
						(Koc) on Soil					
						and on					
						Sewage					
						Sludge using					
						HPLC)					

Maleic anhydride							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to	LC50	96h	75	mg/l	Oncorhynchus		
fish:					mykiss		
12.1. Toxicity to	EC50	48h	42,81	mg/l	Daphnia		
daphnia:					magna		





Page 24 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

12.1. Toxicity to algae:	EC50	72h	74,32	mg/l	Pseudokirchne riella subcapitata		
12.2. Persistence and degradability:		7d	98	%		OECD 301 E (Ready Biodegradabil ity - Modified OECD Screening Test)	Hydrolysis
12.3. Bioaccumulative potential:	Log Pow		-2,61				Not to be expected
12.4. Mobility in soil:	Koc		1				Not to be expected
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC10	18h	44,6	mg/l	Pseudomonas putida	IUCLID Chem. Data Sheet (ESIS)	References

### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

# For the substance / mixture / residual amounts

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

# For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

Do not perforate, cut up or weld uncleaned container.

Residues may present a risk of explosion.

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

#### **General statements**

14.1. UN number:





Page 25 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

### Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

UN 1866 RESIN SOLUTION
14.3. Transport hazard class(es):
14.4. Packing group:
Classification code:

III
F1

LQ: 5 L

14.5. Environmental hazards: Not applicable

Tunnel restriction code: E

Transport by sea (IMDG-code)

14.2. UN proper shipping name:

**RESIN SOLUTION** 

14.3. Transport hazard class(es):314.4. Packing group:IIIEmS:F-E, S-EMarine Pollutant:n.a

14.5. Environmental hazards: Not applicable

Transport by air (IATA)

14.2. UN proper shipping name:

Resin solution

14.3. Transport hazard class(es): 3
14.4. Packing group: III

14.5. Environmental hazards: Not applicable

14.6. Special precautions for user

Persons employed in transporting dangerous goods must be trained. All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Freighted as packaged goods rather than in bulk, therefore not applicable.

Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

Comply with special provisions.

# **SECTION 15: Regulatory information**

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

Observe restrictions:

Comply with national regulations/laws governing maternity protection (national implementation of the Directive 92/85/EEC)!

Regulation (EC) No 1907/2006, Annex XVII

Diphenylmethanediisocyanate, isomeres and homologues

Comply with trade association/occupational health regulations.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may also need to be considered according to storage, handling etc.):











Page 26 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

Hazard categories	Notes to Annex I	Qualifying quantity (tonnes) of dangerous	Qualifying quantity (tonnes) of dangerous
		substances as referred to	substances as referred to
		in Article 3(10) for the	in Article 3(10) for the
		application of - Lower-	application of - Upper-
		tier requirements	tier requirements
P5c		5000	50000

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2010/75/EU (VOC):

498 g/l

Observe incident regulations.

# 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

### **SECTION 16: Other information**

Revised sections:

n.a.

Employee training in handling dangerous goods is required.

These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous materials is required.

# Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC)	Evaluation method used
No. 1272/2008 (CLP)	
Flam. Liq. 3, H226	Classification based on test data.
Acute Tox. 4, H332	Classification according to calculation procedure.
STOT RE 2, H373	Classification according to calculation procedure.
Eye Irrit. 2, H319	Classification according to calculation procedure.
STOT SE 3, H335	Classification according to calculation procedure.
Skin Irrit. 2, H315	Classification according to calculation procedure.
Resp. Sens. 1, H334	Classification according to calculation procedure.
Skin Sens. 1, H317	Classification according to calculation procedure.
Asp. Tox. 1, H304	Classification according to calculation procedure.
Carc. 2, H351	Classification according to calculation procedure.
Aquatic Chronic 3, H412	Classification according to calculation procedure.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H226 Flammable liquid and vapour.

H372 Causes damage to organs through prolonged or repeated exposure by inhalation.

H317 May cause an allergic skin reaction.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.



(GB

Page 27 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Flam. Liq. — Flammable liquid

Acute Tox. — Acute toxicity - inhalation

STOT RE — Specific target organ toxicity - repeated exposure

Eye Irrit. — Eye irritation

STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation

Skin Irrit. — Skin irritation

Resp. Sens. — Respiratory sensitization

Skin Sens. — Skin sensitization

Asp. Tox. — Aspiration hazard

Carc. — Carcinogenicity

Aquatic Chronic — Hazardous to the aquatic environment - chronic

Acute Tox. — Acute toxicity - dermal Acute Tox. — Acute toxicity - oral Skin Corr. — Skin corrosion

Eye Dam. — Serious eye damage

# Any abbreviations and acronyms used in this document:

acc., acc. to according, according to

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)

AOX Adsorbable organic halogen compounds

approx. approximately Art., Art. no. Article number

ASTM ASTM International (American Society for Testing and Materials)

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)

BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)

BSEF The International Bromine Council

bw body weight

CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic

DMEL Derived Minimum Effect Level



(GB

Page 28 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

DNEL Derived No Effect Level

dw dry weight

e.g. for example (abbreviation of Latin 'exempli gratia'), for instance

EC European CommunityECHA European Chemicals AgencyEEC European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

EN European Norms

EPA United States Environmental Protection Agency (United States of America)

etc. et cetera EU European Union

EVAL Ethylene-vinyl alcohol copolymer

Fax. Fax number gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global warming potential

IARC International Agency for Research on Cancer

IATA International Air Transport Association

IBC (Code) International Bulk Chemical (Code)

IMDG-code International Maritime Code for Dangerous Goods

incl. including, inclusive

IUCLID International Uniform Chemical Information Database

LO Limited Quantities

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.a. not applicablen.av. not availablen.c. not checkedn.d.a. no data available

OECD Organisation for Economic Co-operation and Development

org. organic

PBT persistent, bioaccumulative and toxic

PE Polyethylene

PNEC Predicted No Effect Concentration

ppm parts per million PVC Polyvinylchloride

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)

REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.

RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)

SVHC Substances of Very High Concern

Tel. Telephone

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are





Page 29 of 29

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 17.12.2019 / 0001

Replacing version dated / version: 17.12.2019 / 0001

Valid from: 17.12.2019 PDF print date: 17.12.2019 4F-Primer porous 10 kg

Art.: 9095820

not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.