



Page 1 of 31
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 23.02.2023 / 0005
Replacing version dated / version: 14.12.2021 / 0004
Valid from: 23.02.2023
PDF print date: 23.02.2023
4W-Window- and Facade Sealant anthracite 290 ml
Art.: 9097282

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

4W-Window- and Facade Sealant anthracite 290 ml
Art.: 9097282

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

Relevant identified uses of the substance or mixture:

Adhesive sealant

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)
+1 872 5888271 (BRC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

2.2 Label elements

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



Page 2 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

EUH208-Contains Maleic anhydride, Dioctylbis(pentane-2,4-dionato-O,O')tin, Trimethoxyvinylsilane. May produce an allergic reaction.

EUH210-Safety data sheet available on request.

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 %).

The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.1 Substances

n.a.

3.2 Mixtures

Dioctylbis(pentane-2,4-dionato-O,O')tin	
Registration number (REACH)	01-0000020199-67-XXXX
Index	---
EINECS, ELINCS, NLP, REACH-IT List-No.	483-270-6
CAS	54068-28-9
content %	0,1-<1
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Skin Sens. 1, H317 STOT SE 2, H371 (immune system) (oral)
Specific Concentration Limits and ATE	Skin Sens. 1, H317: >=5 %

Trimethoxyvinylsilane	
Registration number (REACH)	01-2119513215-52-XXXX
Index	014-049-00-0
EINECS, ELINCS, NLP, REACH-IT List-No.	220-449-8
CAS	2768-02-7
content %	0,1-<1
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Sens. 1B, H317

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	
Registration number (REACH)	01-2119537297-32-XXXX
Index	---
EINECS, ELINCS, NLP, REACH-IT List-No.	258-207-9
CAS	52829-07-9
content %	0,1-<1
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Eye Dam. 1, H318 Repr. 2, H361f Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411



Page 3 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

Maleic anhydride	
Registration number (REACH)	01-2119472428-31-XXXX
Index	607-096-00-9
EINECS, ELINCS, NLP, REACH-IT List-No.	203-571-6
CAS	108-31-6
content %	0,00001-<0,001
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1A, H317 STOT RE 1, H372 (respiratory system) (as inhalation)
Specific Concentration Limits and ATE	Skin Sens. 1A, H317: 0,001 %

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.

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

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

Skin contact

Wipe off residual product carefully with a soft, dry cloth.

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

Eye contact

Remove contact lenses.

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

Ingestion

Rinse the mouth thoroughly with water.

Give copious water to drink - consult doctor immediately.

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.

Sensitive individuals:

Allergic reaction possible.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures



Page 4 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

5.1 Extinguishing media

Suitable extinguishing media

Water jet spray/foam/CO2/dry extinguisher

Unsuitable extinguishing media

None known

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Toxic gases

Oxides of carbon

Calcium oxide

5.3 Advice for firefighters

For personal protective equipment see Section 8.

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.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Avoid contact with eyes or skin.

6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

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.

6.3 Methods and material for containment and cleaning up

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

Fill the absorbed material into lockable containers.

Flush residue using copious water.

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

Avoid contact with eyes.



Page 5 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

Prevent long-term skin contact.

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

Observe directions on label and instructions for use.

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

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Store at room temperature.

Store in a dry place.

Suitable container:





Plastic

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

 Chemical Name		
Diocylbis(pentane-2,4-dionato-O,O')tin		
WEL-TWA: 0,1 mg/m ³ (Sn) (tin compounds, organic)	WEL-STEL: 0,2 mg/m ³ (Sn) (tin compounds, organic)	---
Monitoring procedures: ---		
BMGV: ---	Other information: Sk (Sn) (tin compounds, organic)	
 Chemical Name		
Maleic anhydride		
WEL-TWA: 1 mg/m ³	WEL-STEL: 3 mg/m ³	---
Monitoring procedures: ---		
BMGV: ---	Other information: Sen	
 Chemical Name		
Calcium carbonate		
WEL-TWA: 4 mg/m ³ (respirable dust), 10 mg/m ³ (total inhalable dust)	WEL-STEL: ---	---
Monitoring procedures: ---		
BMGV: ---	Other information: ---	
 Chemical Name		
Methanol		
WEL-TWA: 200 ppm (266 mg/m ³) (WEL), 200 ppm (260 mg/m ³) (EU)	WEL-STEL: 250 ppm (333 mg/m ³) (WEL)	---
Monitoring procedures:	<ul style="list-style-type: none"> - Draeger - Alcohol 25/a Methanol (81 01 631) - Compur - KITA-119 SA (549 640) - Compur - KITA-119 U (549 657) - DFG Meth. Nr. 6 (D) (Loesungsmittelgemische 6), DFG (E) (Solvent mixtures 6) - 2013, 2002 - EU project - BC/CEN/ENTR/000/2002-16 card 65-1 (2004) - NIOSH 2000 (METHANOL) - 1998 	



Page 6 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

NIOSH 2549 (VOLATILE ORGANIC COMPOUNDS - (SCREENING)) - 1996 NIOSH 3800 (ORGANIC AND INORGANIC GASES BY - EXTRACTIVE FTIR SPECTROMETRY) - 2016 - Draeger - Alcohol 100/a (CH 29 701)	
BMGV: ---	Other information: Sk (WEL, EU)

Diocylbis(pentane-2,4-dionato-O,O')tin						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - sporadic (intermittent) release		PNEC	260	µg/l	
	Environment - freshwater		PNEC	26	µg/l	
	Environment - sediment, freshwater		PNEC	0,155	mg/kg dry weight	
	Environment - marine		PNEC	2,6	µg/l	
	Environment - sediment, marine		PNEC	0,0155	mg/kg dry weight	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	0,07	mg/kg bw/d	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	0,091	mg/m ³	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	84	mg/m ³	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	0,091	mg/m ³	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	84	mg/m ³	

Trimethoxyvinylsilane						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,4	mg/l	Für entsprechendes Silantrio 1 (Hydrol yspr odu kt) ermittelt .



Page 7 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

	Environment - marine		PNEC	0,04	mg/l	Für entsprechendes Silantrio I (Hydrol ysprodu kt) ermittelt .
	Environment - water, sporadic (intermittent) release		PNEC	2,4	mg/l	Für entsprechendes Silantrio I (Hydrol ysprodu kt) ermittelt .
	Environment - sewage treatment plant		PNEC	6,6	mg/l	Für entsprechendes Silantrio I (Hydrol ysprodu kt) ermittelt .
	Environment - sediment, freshwater		PNEC	1,5	mg/kg dw	Für entsprechendes Silantrio I (Hydrol ysprodu kt) ermittelt .
	Environment - sediment, marine		PNEC	0,15	mg/kg dw	Für entsprechendes Silantrio I (Hydrol ysprodu kt) ermittelt .



Page 8 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

	Environment - soil		PNEC	0,06	mg/kg dw	Für entsprechendes Silantrio 1 (Hydrolyseprodukt) ermittelt
Consumer	Human - dermal	Short term, systemic effects	DNEL	0,1	mg/kg bw/day	
Consumer	Human - dermal	Long term, systemic effects	DNEL	0,63	mg/kg bw/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	6,8	mg/m ³	
Consumer	Human - oral	Long term, systemic effects	DNEL	0,63	mg/kg bw/day	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	93,4	mg/m ³	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	0,91	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	27,6	mg/m ³	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	4,9	mg/m ³	

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,018	mg/l	
	Environment - marine		PNEC	0,0018	mg/l	
	Environment - sediment, freshwater		PNEC	29	mg/kg	
	Environment - sediment, marine		PNEC	2,9	mg/kg	
	Environment - soil		PNEC	5,9	mg/kg	
	Environment - water, sporadic (intermittent) release		PNEC	0,007	mg/l	
	Environment - sewage treatment plant		PNEC	1	mg/l	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	5,6	mg/m ³	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	5,6	mg/m ³	



Page 9 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

Workers / employees	Human - dermal	Long term, systemic effects	DNEL	2	mg/kg body weight/d ay	
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	2	mg/kg	

Maleic anhydride						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,038	mg/l	
	Environment - marine		PNEC	0,004281	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	0,4281	mg/l	
	Environment - sewage treatment plant		PNEC	44,6	mg/l	
	Environment - sediment, freshwater		PNEC	0,296	mg/kg	
	Environment - sediment, marine		PNEC	0,006	mg/kg	
	Environment - soil		PNEC	0,037	mg/l	
	Environment - oral (animal feed)		PNEC	6,67	mg/kg	
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/m ³	
Workers / employees	Human - dermal	Short term, local effects	DNEL	0,04	mg/cm ²	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	0,2	mg/m ³	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	0,2	mg/kg	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	0,19	mg/m ³	
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	0,081	mg/m ³	

Calcium carbonate						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - sewage treatment plant		PNEC	100	mg/l	
Consumer	Human - oral	Long term, systemic effects	DNEL	6,1	mg/kg bw/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	10	mg/m ³	
Consumer	Human - inhalation	Long term, local effects	DNEL	1,06	mg/m ³	
Consumer	Human - oral	Short term, systemic effects	DNEL	6,1	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	4,26	mg/m ³	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	10	mg/m ³	

Methanol						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	154	mg/l	
	Environment - marine		PNEC	15,4	mg/l	
	Environment - sediment, freshwater		PNEC	570,4	mg/kg	
	Environment - sediment, marine		PNEC	57,04	mg/kg	
	Environment - soil		PNEC	23,5	mg/kg	
	Environment - water, sporadic (intermittent) release		PNEC	1540	mg/l	
	Environment - sewage treatment plant		PNEC	100	mg/l	
Consumer	Human - inhalation	Long term, local effects	DNEL	26	mg/m ³	
Consumer	Human - inhalation	Short term, local effects	DNEL	26	mg/m ³	
Consumer	Human - dermal	Short term, systemic effects	DNEL	4	mg/kg bw/day	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	26	mg/m ³	
Consumer	Human - oral	Short term, systemic effects	DNEL	4	mg/kg bw/day	
Consumer	Human - dermal	Long term, systemic effects	DNEL	4	mg/kg bw/day	



Page 11 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

Consumer	Human - inhalation	Long term, systemic effects	DNEL	26	mg/m ³	
Consumer	Human - oral	Long term, systemic effects	DNEL	4	mg/kg bw/day	
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	20	mg/kg bw/day	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	130	mg/m ³	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	130	mg/m ³	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	20	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	130	mg/m ³	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	130	mg/m ³	

☉ 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 (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | 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 the goal of revision. (13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

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. EN 14042.

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.



Page 12 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

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:

With danger of contact with eyes.

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

Skin protection - Hand protection:

Chemical resistant protective gloves (EN ISO 374).

If applicable

Rubber gloves (EN ISO 374).

Protective gloves made of butyl (EN ISO 374).

Protective Neoprene® / polychloroprene gloves (EN ISO 374).

Protective nitrile gloves (EN ISO 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:

Normally not necessary.

Thermal hazards:

Not applicable

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

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



Page 13 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

9.1 Information on basic physical and chemical properties

Physical state:	Paste, liquid.
Colour:	Grey, Black
Odour:	Slightly
Melting point/freezing point:	There is no information available on this parameter.
Boiling point or initial boiling point and boiling range:	There is no information available on this parameter.
Flammability:	Flammable
Lower explosion limit:	There is no information available on this parameter.
Upper explosion limit:	There is no information available on this parameter.
Flash point:	>200 °C
Auto-ignition temperature:	There is no information available on this parameter.
Decomposition temperature:	There is no information available on this parameter.
pH:	Mixture is non-soluble (in water).
Kinematic viscosity:	There is no information available on this parameter.
Solubility:	Insoluble
Partition coefficient n-octanol/water (log value):	Does not apply to mixtures.
Vapour pressure:	There is no information available on this parameter.
Density and/or relative density:	1455 kg/m ³
Relative vapour density:	There is no information available on this parameter.
Particle characteristics:	Does not apply to liquids.

9.2 Other information

Explosives:	Product is not explosive.
Oxidising liquids:	No
Solubility(ies):	Organic solvents

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

See also section 7.

Open flame, ignition sources

10.5 Incompatible materials

See also section 7.

Water

Moisture

10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

4W-Window- and Facade Sealant anthracite 290 ml						
Art.: 9097282						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Diocetylbis(pentane-2,4-dionato-O,O')tin						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	2500	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat	OECD 402 (Acute Dermal Toxicity)	
Skin corrosion/irritation:						Not irritant
Serious eye damage/irritation:						Not irritant
Respiratory or skin sensitisation:		>5	%	Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	Sensitising (skin contact)

Trimethoxyvinylsilane						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	7120	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	3200	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	



Page 15 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

Acute toxicity, by inhalation:	LC50	16,8	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Vapours
Acute toxicity, by inhalation:	LD50	2773	ppm/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Skin Sens. 1B
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative Chinese hamster
Germ cell mutagenicity:				Mouse	OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative
Germ cell mutagenicity:				Rat	OECD 489 (In Vivo Mammalian Alkaline Comet Assay)	Negative
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Reproductive toxicity:	NOAEL	1000	mg/kg	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Development. Tox. Screening Test)	Negative
Reproductive toxicity (Developmental toxicity):	NOAEL	>= 75	mg/kg	Rabbit	OECD 414 (Prenatal Developmental Toxicity Study)	Negative
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	62,5	mg/kg	Rat	OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	Target organ(s): bladder



Page 16 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	LOAEL	0,58	mg/l	Rat	OECD 413 (Subchronic Inhalation Toxicity - 90-Day Study)	Vapours
Symptoms:						drowsiness, dizziness, nausea, abdominal pain, breathing difficulties, visual disturbances

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

®

Page 17 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

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

Calcium carbonate						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat	OECD 420 (Acute Oral toxicity - Fixe Dose Procedure)	
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>3	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	No (skin contact)
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative

®

Page 18 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

Germ cell mutagenicity:					OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Carcinogenicity:						No indications of such an effect.
Reproductive toxicity:	NOEL	1000	mg/kg bw/d	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	
Specific target organ toxicity - single exposure (STOT-SE):						No indications of such an effect.
Specific target organ toxicity - repeated exposure (STOT-RE):						No indications of such an effect.
Aspiration hazard:						No
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	1000	mg/kg bw/d	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEC	0,212	mg/l	Rat	OECD 413 (Subchronic Inhalation Toxicity - 90-Day Study)	

Methanol

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	ATE	300	mg/kg	Human being		Experiences on persons.



Page 19 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

Acute toxicity, by dermal route:	LD50	17100	mg/kg	Rabbit		Does not conform with EU classification
Acute toxicity, by inhalation:	LC50	85	mg/l/4h	Rat		Not relevant for classification ., Vapours
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	No (skin contact)
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:				Mouse	OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative
Carcinogenicity:				Mouse	OECD 453 (Combined Chronic Toxicity/Carcinogenicity Studies)	Negative
Reproductive toxicity:	NOAEL	1,3	mg/l	Mouse	OECD 416 (Two-generation Reproduction Toxicity Study)	
Specific target organ toxicity - repeated exposure (STOT-RE):	NOAEL	0,13	mg/l	Rat	OECD 453 (Combined Chronic Toxicity/Carcinogenicity Studies)	

®

Page 21 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

12.3. Bioaccumulative potential:							n.d.a.
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT and vPvB assessment							n.d.a.
12.6. Endocrine disrupting properties:							Does not apply to mixtures.
12.7. Other adverse effects:							No information available on other adverse effects on the environment.

Diocylbis(pentane-2,4-dionato-O,O')tin							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	86	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC50	48h	58,6	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EC50	24h	300	mg/l	Scenedesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
Water solubility:			0,03	g/l			20°C

Trimethoxyvinylsilane							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	191	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC50	48h	168,7	mg/l	Daphnia magna	Regulation (EC) 440/2008 C.2 (DAPHNIA SP. ACUTE IMMOBILISATION TEST)	



Page 22 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

12.1. Toxicity to daphnia:	NOEC/NOEL	21d	28	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproduction Test)	
12.1. Toxicity to algae:	EC50	72h	>100	mg/l	Selenastrum capricornutum	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	25	mg/l	Selenastrum capricornutum		
12.2. Persistence and degradability:	BOD	28d	51	%		OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)	Not readily biodegradable
12.3. Bioaccumulative potential:	Log Kow		1,1				Not to be expected 20 °C
QSAR							
12.4. Mobility in soil:							Slight
Toxicity to bacteria:	EC50	3h	>2500	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC10	5h	1000	mg/l	Pseudomonas putida		

Maleic anhydride

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.2. Persistence and degradability:		28d	> 61	%		OECD 302 B (Inherent Biodegradability - Zahn-Wellens/EMP A Test)	Readily biodegradable
12.1. Toxicity to fish:	LC50	96h	75	mg/l	Lepomis macrochirus		EPA-660/3-75-009



Page 23 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

12.1. Toxicity to fish:	LC50	96h	75	mg/l	Oncorhynchus mykiss		EPA-660/3-75-009
12.1. Toxicity to daphnia:	EC50	48h	42,81	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	10	mg/l	Daphnia magna		
12.1. Toxicity to algae:	EC50	72h	74,32	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		7d	98	%		OECD 301 E (Ready Biodegradability - 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

Calcium carbonate							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h			Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	No observation with saturated solution of test material.
12.1. Toxicity to daphnia:	EC50	48h			Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	No observation with saturated solution of test material.



Page 24 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

12.1. Toxicity to algae:	EC50	72h	>14	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	14	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:							Not relevant for inorganic substances.
12.3. Bioaccumulative potential:							Not to be expected
12.4. Mobility in soil:							n.a.
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC50	3h	>1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Toxicity to bacteria:	NOEC/NOEL	3h	1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other organisms:	EC50	21d	>1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Glycine max
Other organisms:	EC50	21d	>1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Lycopersicon esculentum



Page 25 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

Other organisms:	EC50	21d	>1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Avena sativa
Other organisms:	NOEC/NO EL	21d	1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Glycine max
Other organisms:	NOEC/NO EL	21d	1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Lycopersicon esculentum
Other organisms:	NOEC/NO EL	21d	1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Avena sativa
Other organisms:	EC50	14d	>1000	mg/kg dw	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	
Other organisms:	NOEC/NO EL	14d	1000	mg/kg dw	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	
Other organisms:	EC50	28d	>1000	mg/kg dw		OECD 216 (Soil Microorganism - Nitrogen Transformation Test)	
Other organisms:	NOEC/NO EL	28d	1000	mg/kg dw		OECD 216 (Soil Microorganism - Nitrogen Transformation Test)	
Water solubility:			0,016 6	g/l		OECD 105 (Water Solubility)	20°C

Methanol

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
12.1. Toxicity to fish:	LC50	96h	15400	mg/l	Lepomis macrochirus		EPA-660/3- 75-009



Page 26 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

12.1. Toxicity to daphnia:	EC50	96h	18260	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EC50	96h	22000	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	99	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Readily biodegradable
12.3. Bioaccumulative potential:	BCF		28400		Chlorella vulgaris		Not to be expected
Toxicity to bacteria:	IC50	3h	>1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other information:	Log Pow		-0,77				
Other information:	DOC		<70	%			
Other information:	BOD		>60	%			

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

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 10 waste adhesives and sealants other than those mentioned in 08 04 09

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.



Page 27 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

Dispose of packaging that cannot be cleaned in the same manner as the substance.
15 01 02 plastic packaging

SECTION 14: Transport information

General statements

Transport by road/by rail (ADR/RID)

14.1. UN number or ID number:	Not applicable
14.2. UN proper shipping name:	Not applicable
14.3. Transport hazard class(es):	Not applicable
14.4. Packing group:	Not applicable
14.5. Environmental hazards:	Not applicable
Tunnel restriction code:	Not applicable
Classification code:	Not applicable
LQ:	Not applicable
Transport category:	Not applicable

Transport by sea (IMDG-code)

14.1. UN number or ID number:	Not applicable
14.2. UN proper shipping name:	Not applicable
14.3. Transport hazard class(es):	Not applicable
14.4. Packing group:	Not applicable
14.5. Environmental hazards:	Not applicable
Marine Pollutant:	Not applicable
EmS:	Not applicable

Transport by air (IATA)

14.1. UN number or ID number:	Not applicable
14.2. UN proper shipping name:	Not applicable
14.3. Transport hazard class(es):	Not applicable
14.4. Packing group:	Not applicable
14.5. Environmental hazards:	Not applicable

14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Maritime transport in bulk according to IMO instruments

Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

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

Observe restrictions:

Regulation (EC) No 1907/2006, Annex XVII

Diocetylbis(pentane-2,4-dionato-O,O')tin

Regulation (EU) No 649/2012 'concerning the export and import of hazardous chemicals' must be adhered to, as the product contains a substance that falls within the scope of this Regulation.



Page 28 of 31
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 23.02.2023 / 0005
Replacing version dated / version: 14.12.2021 / 0004
Valid from: 23.02.2023
PDF print date: 23.02.2023
4W-Window- and Facade Sealant anthracite 290 ml
Art.: 9097282

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

General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC): 1,4552 %

National requirements/regulations on safety and health protection must be applied when using work equipment.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: 15

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

Not applicable

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).

H361f Suspected of damaging fertility.

H226 Flammable liquid and vapour.

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

H371 May cause damage to organs if swallowed.

H317 May cause an allergic skin reaction.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

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

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Skin Sens. — Skin sensitization

STOT SE — Specific target organ toxicity - single exposure

Flam. Liq. — Flammable liquid

Acute Tox. — Acute toxicity - inhalation

Eye Dam. — Serious eye damage

Repr. — Reproductive toxicity

Aquatic Acute — Hazardous to the aquatic environment - acute

Aquatic Chronic — Hazardous to the aquatic environment - chronic

Acute Tox. — Acute toxicity - oral

Skin Corr. — Skin corrosion

Resp. Sens. — Respiratory sensitization

STOT RE — Specific target organ toxicity - repeated exposure

Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.

Guidelines for the preparation of safety data sheets as amended (ECHA).



Page 29 of 31
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 23.02.2023 / 0005
Replacing version dated / version: 14.12.2021 / 0004
Valid from: 23.02.2023
PDF print date: 23.02.2023
4W-Window- and Facade Sealant anthracite 290 ml
Art.: 9097282

Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).

Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU)

2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

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)

ATE Acute Toxicity Estimate

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)

BCF Bioconcentration factor

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

DNEL Derived No Effect Level

DOC Dissolved organic carbon

dw dry weight

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

EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants)

EC European Community

ECHA European Chemicals Agency

ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect

EEC 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)

ErCx, EµCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)



Page 30 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

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
Koc Adsorption coefficient of organic carbon in the soil
Kow octanol-water partition coefficient
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
IUPAC International Union for Pure Applied Chemistry
LC50 Lethal Concentration to 50 % of a test population
LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)
Log Koc Logarithm of adsorption coefficient of organic carbon in the soil
Log Kow, Log Pow Logarithm of octanol-water partition coefficient
LQ Limited Quantities
MARPOL International Convention for the Prevention of Marine Pollution from Ships
n.a. not applicable
n.av. not available
n.c. not checked
n.d.a. no data available
NIOSH National Institute for Occupational Safety and Health (USA)
NLP No-longer-Polymer
NOEC, NOEL No Observed Effect Concentration/Level
OECD Organisation for Economic Co-operation and Development
org. organic
OSHA Occupational Safety and Health Administration (USA)
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
TOC Total organic carbon
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
wwt wet weight

®

Page 31 of 31

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

Revision date / version: 23.02.2023 / 0005

Replacing version dated / version: 14.12.2021 / 0004

Valid from: 23.02.2023

PDF print date: 23.02.2023

4W-Window- and Facade Sealant anthracite 290 ml

Art.: 9097282

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No responsibility.