

(GB)

Page 1 of 20
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 06.08.2018 / 0017
Replacing version dated / version: 08.03.2016 / 0016
Valid from: 06.08.2018
PDF print date: 11.09.2018
MS-P Adhesive Sealer transparent
295 g Art.: 6880 9 290, Art.: 6884 9 290

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

MS-P Adhesive Sealer transparent
295 g Art.: 6880 9 290, Art.: 6884 9 290

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

(GB)

Theo Förch GmbH & Co. KG, Theo-Förch-Str. 11 - 15, 74196 Neuenstadt, Germany
Phone:07139/95-0, Fax:07139/95-199
info@foerch.de, www.foerch.com

Details of the supplier of the safety data sheet see section 16 of this safety data sheet.

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 (TFC)

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
Skin Sens.	1	H317-May cause an allergic skin reaction.

2.2 Label elements

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



Warning

H317-May cause an allergic skin reaction.

GB

Page 2 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 06.08.2018 / 0017
 Replacing version dated / version: 08.03.2016 / 0016
 Valid from: 06.08.2018
 PDF print date: 11.09.2018
 MS-P Adhesive Sealer transparent
 295 g Art.: 6880 9 290, Art.: 6884 9 290

P261-Avoid breathing vapours or spray. P280-Wear protective gloves.
 P333+P313-If skin irritation or rash occurs: Get medical advice / attention.

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine
 N-(3-(trimethoxysilyl)propyl)ethylenediamine
 Dioctylbis(pentane-2,4-dionato-O,O')tin

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 %).

SECTION 3: Composition/information on ingredients

Gen. description:

Polymers
 Auxiliary agents
 Fillers

3.1 Substance

n.a.

3.2 Mixture

Trimethoxyvinylsilane	
Registration number (REACH)	01-2119513215-52-XXXX
Index	---
EINECS, ELINCS, NLP	220-449-8
CAS	2768-02-7
content %	1-5
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226 Acute Tox. 4, H332

N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine	
Registration number (REACH)	01-2119963926-21-XXXX
Index	---
EINECS, ELINCS, NLP	221-336-6
CAS	3069-29-2
content %	0,1-<1
Classification according to Regulation (EC) 1272/2008 (CLP)	Eye Dam. 1, H318 Skin Sens. 1A, H317 Skin Irrit. 2, H315

N-(3-(trimethoxysilyl)propyl)ethylenediamine	
Registration number (REACH)	01-2119970215-39-XXXX
Index	---
EINECS, ELINCS, NLP	217-164-6
CAS	1760-24-3
content %	0,1-<1
Classification according to Regulation (EC) 1272/2008 (CLP)	Acute Tox. 4, H332 Skin Sens. 1, H317 Eye Dam. 1, H318

Dioctylbis(pentane-2,4-dionato-O,O')tin	
Registration number (REACH)	01-0000020199-67-XXXX
Index	---
EINECS, ELINCS, NLP	483-270-6
CAS	54068-28-9
content %	0,1-<1
Classification according to Regulation (EC) 1272/2008 (CLP)	STOT SE 2, H371(immune system) (oral) Skin Sens. 1, H317

Page 3 of 20
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 06.08.2018 / 0017
Replacing version dated / version: 08.03.2016 / 0016
Valid from: 06.08.2018
PDF print date: 11.09.2018
MS-P Adhesive Sealer transparent
295 g Art.: 6880 9 290, Art.: 6884 9 290

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.
Call doctor immediately - have Data Sheet available.

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.
The following may occur:
Allergic reaction possible.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

CO₂
Extinction powder
Foam
Water jet spray

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
Calcium oxide
Toxic gases

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.
Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient supply of air.
Avoid contact with eyes or skin.

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 06.08.2018 / 0017
 Replacing version dated / version: 08.03.2016 / 0016
 Valid from: 06.08.2018
 PDF print date: 11.09.2018
 MS-P Adhesive Sealer transparent
 295 g Art.: 6880 9 290, Art.: 6884 9 290

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

Pick up mechanically and dispose of according to Section 13.

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 contact with eyes or skin.
 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.
 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.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The methanol listed below can arise upon contact with water.

Chemical Name	Diocylbis(pentane-2,4-dionato-O,O')tin		Content %:0,1-<1
WEL-TWA:	0,1 mg/m3 (Sn) (tin compounds, organic)	WEL-STEL:	0,2 mg/m3 (Sn) (tin compounds, organic) ---
Monitoring procedures:	---		
BMGV:	---		Other information: Sk (Sn) (tin compounds, organic)

Chemical Name	Methanol		Content %:
WEL-TWA:	200 ppm (266 mg/m3) (WEL), 200 ppm (260 mg/m3) (EU)	WEL-STEL:	250 ppm (333 mg/m3) (WEL) ---
Monitoring procedures:	<ul style="list-style-type: none"> - Compur - KITA-119 SA (549 640) - Compur - KITA-119 U (549 657) - Draeger - Alcohol 25/a Methanol (81 01 631) - DFG (D) (Loesungsmittelgemische 6), DFG (E) (Solvent mixtures 6) - 1998, 2002 - EU project BC/CEN/ENTR/000/2002-16 card 65-1 (2004) - Draeger - Alcohol 100/a (CH 29 701) 		
BMGV:	---		Other information: Sk (WEL, EU)

Chemical Name	Silica, amorphous		Content %:
WEL-TWA:	6 mg/m3 (total inh. dust), 2,4 mg/m3 (resp. dust)	WEL-STEL:	--- ---
Monitoring procedures:	---		
BMGV:	---		Other information: ---

GB

Page 5 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 06.08.2018 / 0017
 Replacing version dated / version: 08.03.2016 / 0016
 Valid from: 06.08.2018
 PDF print date: 11.09.2018
 MS-P Adhesive Sealer transparent
 295 g Art.: 6880 9 290, Art.: 6884 9 290

Chemical Name	Diisononyl phthalate		Content %:
WEL-TWA: 5 mg/m3	WEL-STEL: ---	---	
Monitoring procedures: ---			
BMGV: ---		Other information: ---	

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 the goal of revision.

8.2 Exposure controls

Trimethoxyvinylsilane						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,34	mg/l	
	Environment - marine		PNEC	0,034	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	3,4	mg/l	
	Environment - sewage treatment plant		PNEC	110	mg/l	
	Environment - sediment, freshwater		PNEC	0,27	mg/kg	
	Environment - sediment, marine		PNEC	0,12	mg/kg	
	Environment - soil		PNEC	0,046	mg/kg	
Consumer	Human - dermal	Short term, systemic effects	DNEL	26,9	mg/kg bw/day	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	93,4	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	0,3	mg/kg bw/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	1,04	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	0,3	mg/kg bw/day	
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	0,69	mg/kg bw/day	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	4,9	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	0,69	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	4,9	mg/kg	

N-(3-(trimethoxysilyl)propyl)ethylenediamine						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,062	mg/l	
	Environment - marine		PNEC	0,0062	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	0,62	mg/l	
	Environment - sediment, freshwater		PNEC	0,22	mg/kg dry weight	

	Environment - sediment, marine		PNEC	0,022	mg/kg dry weight	
	Environment - soil		PNEC	0,0085	mg/kg dry weight	
	Environment - sewage treatment plant		PNEC	25	mg/l	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	8,7	mg/m ³	
Consumer	Human - dermal	Long term, systemic effects	DNEL	2,5	mg/kg bw/day	
Consumer	Human - dermal	Short term, systemic effects	DNEL	17	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	35,3	mg/m ³	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	5	mg/kg bw/day	
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	5	mg/kg bw/day	

Diocetylbis(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	
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	

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	
	Environment - freshwater		PNEC	20,8	mg/l	
	Environment - marine		PNEC	2,08	mg/l	
	Environment - sediment		PNEC	77	mg/kg	
	Environment - sediment		PNEC	7,7	mg/kg	
Consumer	Human - inhalation	Long term, local effects	DNEL	50	mg/m ³	
Consumer	Human - dermal	Short term, systemic effects	DNEL	8	mg/kg body weight/day	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	50	mg/m ³	
Consumer	Human - oral	Short term, systemic effects	DNEL	8	mg/kg body weight/day	

Consumer	Human - dermal	Long term, systemic effects	DNEL	8	mg/kg body weight/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	50	mg/m ³	
Consumer	Human - oral	Long term, systemic effects	DNEL	8	mg/kg body weight/day	
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	40	mg/kg body weight/day	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	260	mg/m ³	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	260	mg/m ³	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	40	mg/kg body weight/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	260	mg/m ³	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	260	mg/m ³	

Silica, amorphous						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - inhalation	Long term, local effects	DNEL	4	mg/m ³	

Diisononyl phthalate						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - soil		PNEC	30	mg/kg	
	Environment - oral (animal feed)		PNEC	150	mg/kg	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	15,3	mg/m ³	
Consumer	Human - dermal	Long term, systemic effects	DNEL	220	mg/kg	
Consumer	Human - oral	Long term, systemic effects	DNEL	4,4	mg/kg	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	366	mg/kg	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	51,72	mg/m ³	

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).

Page 8 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 06.08.2018 / 0017
 Replacing version dated / version: 08.03.2016 / 0016
 Valid from: 06.08.2018
 PDF print date: 11.09.2018
 MS-P Adhesive Sealer transparent
 295 g Art.: 6880 9 290, Art.: 6884 9 290

Skin protection - Hand protection:

Chemical resistant protective gloves (EN 374).

If applicable

Protective nitrile gloves (EN 374)

Permeation time (penetration time) in minutes:

>480

Minimum layer thickness in mm:

0,4

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

9.1 Information on basic physical and chemical properties

Physical state:	Paste, solid.
Colour:	Transparent
Odour:	Characteristic
Odour threshold:	Not determined
pH-value:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	Not determined
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Lower explosive limit:	Not determined
Upper explosive limit:	Not determined
Vapour pressure:	Not determined
Vapour density (air = 1):	Not determined
Density:	1,06 g/ml
Bulk density:	Not determined
Solubility(ies):	Not determined
Water solubility:	Insoluble
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Product is not explosive.
Oxidising properties:	No

9.2 Other information

Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined

GB

Page 9 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 06.08.2018 / 0017
 Replacing version dated / version: 08.03.2016 / 0016
 Valid from: 06.08.2018
 PDF print date: 11.09.2018
 MS-P Adhesive Sealer transparent
 295 g Art.: 6880 9 290, Art.: 6884 9 290

Surface tension: Not determined
 Solvents content: Not determined

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

None known

10.5 Incompatible materials

None known

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).

MS-P Adhesive Sealer transparent

295 g Art.: 6880 9 290, Art.: 6884 9 290

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:	ATE	>20	mg/l/4h			calculated value, Vapours
Acute toxicity, by inhalation:	ATE	>5	mg/l/4h			calculated value, Aerosol
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.

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)	
Acute toxicity, by inhalation:	LD50	2773	ppm/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol
Acute toxicity, by inhalation:	LC50	16,8	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Vapours
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Slightly irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitising

Page 10 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 06.08.2018 / 0017
 Replacing version dated / version: 08.03.2016 / 0016
 Valid from: 06.08.2018
 PDF print date: 11.09.2018
 MS-P Adhesive Sealer transparent
 295 g Art.: 6880 9 290, Art.: 6884 9 290

Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Carcinogenicity:						Negative
Reproductive toxicity:	NOAEL	1000	mg/kg	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	Negative
Specific target organ toxicity - repeated exposure (STOT-RE):	NOAEC	0,058		Rat	OECD 413 (Subchronic Inhalation Toxicity - 90-Day Study)	
Specific target organ toxicity - repeated exposure (STOT-RE):	NOAEL	10	mg/l	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	Vapours
Symptoms:						drowsiness, dizziness, nausea, abdominal pain, breathing difficulties, visual disturbances

N-(3-(trimethoxysilyl)propyl)ethylenediamine						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	1,49 - 2,44	mg/l/4h	Rat		Aerosol
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Risk of serious damage to eyes.
Respiratory or skin sensitisation:				Rabbit	OECD 406 (Skin Sensitisation)	Sensitising
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Reproductive toxicity (Effects on fertility):	NOAEL	>=500	mg/kg bw/d	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	
Symptoms:						respiratory distress, abdominal pain, unconsciousness, vomiting, coughing, headaches, mucous membrane irritation, dizziness
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	>=500	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), dermal:	NOAEL	>=1545	mg/kg bw/d	Rat		

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		

GB

Page 11 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 06.08.2018 / 0017
 Replacing version dated / version: 08.03.2016 / 0016
 Valid from: 06.08.2018
 PDF print date: 11.09.2018
 MS-P Adhesive Sealer transparent
 295 g Art.: 6880 9 290, Art.: 6884 9 290

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)

Methanol						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	ATE	300	mg/kg	Human being		Experiences on persons.
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)	Mild irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	No (skin contact)
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Symptoms:						abdominal pain, vomiting, headaches, gastrointestinal disturbances, drowsiness, visual disturbances, watering eyes, nausea, mental confusion

Silica, amorphous						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	Analogous conclusion
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	>0,139	mg/l/4h	Rat		References, Maximum achievable concentration.
Skin corrosion/irritation:				Rabbit		Not irritant, References
Serious eye damage/irritation:				Rabbit		Not irritant, Mechanical irritation possible., References
Respiratory or skin sensitisation:				Guinea pig		Not sensitising
Germ cell mutagenicity:						Negative
Carcinogenicity:						No indications of such an effect.
Reproductive toxicity (Developmental toxicity):						No indications of such an effect.
Symptoms:						eyes, reddened

Diisononyl phthalate						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>10000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>3160	mg/kg	Rabbit		

Acute toxicity, by inhalation:	LC50	>4,4	mg/l/4h	Rat		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:						Not sensitising
Germ cell mutagenicity:				Mammalian		No indications of such an effect.
Carcinogenicity:						No indications of such an effect.
Reproductive toxicity:						No indications of such an effect.
Specific target organ toxicity - single exposure (STOT-SE):						No indications of such an effect.
Symptoms:						diarrhoea, nausea and vomiting.

SECTION 12: Ecological information

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

MS-P Adhesive Sealer transparent

295 g Art.: 6880 9 290, Art.: 6884 9 290

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:							n.d.a.
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and degradability:							n.d.a.
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. Other adverse effects:							n.d.a.
Other information:							DOC-elimination degree (complexing organic substance) >= 80%/28d: n.a.
Other information:	AOX		0	%			According to the recipe, contains no AOX.

Trimethoxyvinylsilane

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>=100	mg/l	Brachydanio rerio		
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)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	>957	mg/l	Scenedesmus subspicatus		88/302/EC
12.1. Toxicity to algae:	IC50	72h	>100	mg/l	Selenastrum capricornutum		
12.1. Toxicity to algae:	EC50	72h	>957	mg/l	Scenedesmus subspicatus		

GB

Page 13 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 06.08.2018 / 0017
 Replacing version dated / version: 08.03.2016 / 0016
 Valid from: 06.08.2018
 PDF print date: 11.09.2018
 MS-P Adhesive Sealer transparent
 295 g Art.: 6880 9 290, Art.: 6884 9 290

12.2. Persistence and degradability:		28d	51	%		OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)	Readily biodegradable
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC50		>2500	mg/l	activated sludge		

N-(3-(trimethoxysilyl)propyl)ethylenediamine

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	597	mg/l	Brachydanio rerio		
12.1. Toxicity to fish:	NOEC/NOEL	96h	344	mg/l	Brachydanio rerio		
12.1. Toxicity to fish:	LC50	96h	597	mg/l	Brachydanio rerio		
12.1. Toxicity to fish:	NOEC/NOEL	96h	344	mg/l	Brachydanio rerio		
12.1. Toxicity to daphnia:	NOEC/NOEL	48h	35	mg/l	Daphnia magna		
12.1. Toxicity to daphnia:	EC50	48h	81	mg/l	Daphnia magna		
12.1. Toxicity to daphnia:	NOEC/NOEL	48h	35	mg/l	Daphnia magna		
12.1. Toxicity to daphnia:	EC50	48h	81	mg/l	Daphnia magna		
12.1. Toxicity to algae:	EC50	72h	8,8	mg/l	Selenastrum capricornutum	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	3,1	mg/l	Selenastrum capricornutum	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	EC50	72h	8,8	mg/l	Selenastrum capricornutum	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	3,1	mg/l	Selenastrum capricornutum	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	39	%		Regulation (EC) 440/2008 C.4-A (DETERMINATION OF 'READY' BIODEGRADABILITY - DOC DIE-AWAY TEST)	Not readily biodegradable, References
Toxicity to bacteria:	EC10	16h	25	mg/l	Pseudomonas putida	DIN 38412 T.8	

Diocetylbis(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		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

Methanol

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	15400	mg/l	Lepomis macrochirus		
12.1. Toxicity to daphnia:	EC50	48h	>10000	mg/l	Daphnia magna		
12.2. Persistence and degradability:		28d	99	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	Readily biodegradable

96

Page 14 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 06.08.2018 / 0017
 Replacing version dated / version: 08.03.2016 / 0016
 Valid from: 06.08.2018
 PDF print date: 11.09.2018
 MS-P Adhesive Sealer transparent
 295 g Art.: 6880 9 290, Art.: 6884 9 290

12.3. Bioaccumulative potential:	BCF		28400		Chlorella vulgaris		
Other information:	DOC		<70	%			
Other information:	BOD		>60	%			

Silica, amorphous							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>10000	mg/l	Brachydanio rerio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC50	24h	>10000	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EL50	72h	>10000	mg/l		OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:							Abiotically degradable.
12.3. Bioaccumulative potential:							Not to be expected
12.4. Mobility in soil:							Not to be expected
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance

Diisononyl phthalate							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>102	mg/l	Brachydanio rerio	92/69/EC	
12.1. Toxicity to daphnia:	EC50	48h	>74	mg/l	Daphnia magna	92/69/EC	
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	>101	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	88	mg/l	Scenedesmus subspicatus		
12.1. Toxicity to algae:	EC50	72h	>88	mg/l	Scenedesmus subspicatus	84/449/EEC C.3	
12.2. Persistence and degradability:		28d	81	%	activated sludge	Regulation (EC) 440/2008 C.4-C (DETERMINATION OF 'READY' BIODEGRADABILITY - CO2 EVOLUTION TEST)	Readily biodegradable
12.3. Bioaccumulative potential:	Log Pow		8,8-10,7				calculated value
12.3. Bioaccumulative potential:	BCF	14d	<3				Analogous conclusion
12.4. Mobility in soil:	Koc		>5000				
12.4. Mobility in soil:	H (Henry)		0,00000149	atm*m3/mol			
Toxicity to bacteria:	EC50	30min	>83,9	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other organisms:	NOEC/NOEL	56d	>982,4	mg/kg	Eisenia foetida		

GB

Page 15 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 06.08.2018 / 0017
 Replacing version dated / version: 08.03.2016 / 0016
 Valid from: 06.08.2018
 PDF print date: 11.09.2018
 MS-P Adhesive Sealer transparent
 295 g Art.: 6880 9 290, Art.: 6884 9 290

Other organisms:	LC50	14d	>7372	mg/kg	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	
------------------	------	-----	-------	-------	-----------------	---	--

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 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.

SECTION 14: Transport information

General statements

14.1. UN number: n.a.

Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Classification code: n.a.

LQ: n.a.

14.5. Environmental hazards: Not applicable

Tunnel restriction code:

Transport by sea (IMDG-code)

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Marine Pollutant: n.a.

14.5. Environmental hazards: Not applicable

Transport by air (IATA)

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

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

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:

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

Regulation (EC) No 1907/2006, Annex XVII

GB

Page 16 of 20
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 06.08.2018 / 0017
 Replacing version dated / version: 08.03.2016 / 0016
 Valid from: 06.08.2018
 PDF print date: 11.09.2018
 MS-P Adhesive Sealer transparent
 295 g Art.: 6880 9 290, Art.: 6884 9 290

Diocylbis(pentane-2,4-dionato-O,O')tin
 Comply with trade association/occupational health regulations.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 2 - This product contains the substances listed below:

Entry Nr	Dangerous substances	Notes to Annex I	Qualifying quantity (tonnes) for the application of - Lower-tier requirements	Qualifying quantity (tonnes) for the application of - Upper-tier requirements
22	Methanol		500	5000

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): 3,4 %

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: 2, 3, 8, 9, 11, 12, 15
 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) No. 1272/2008 (CLP)	Evaluation method used
Skin Sens. 1, H317	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.
 H371 May cause damage to organs if swallowed.
 H317 May cause an allergic skin reaction.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H332 Harmful if inhaled.

Skin Sens. — Skin sensitization
 Flam. Liq. — Flammable liquid
 Acute Tox. — Acute toxicity - inhalation
 Eye Dam. — Serious eye damage
 Skin Irrit. — Skin irritation
 STOT SE — Specific target organ toxicity - single exposure

Förch France SAS
 ZAE Marchais Renard/Aubigny
 77950 Montereau-sur-le-Jard
 FRANKREICH
 Tel. +33 1 64144848
 Fax +33 1 64144849
 E-Mail: info@forch.fr
 Internet: www.forch.fr

Förch SAS
 17 rue de Marbourg
 9764 MARNACH
 LUXEMBURG
 Tel. +352 269 03267
 Fax +352 269 03368
 E-Mail: info@forch.fr
 Internet: www.forch.fr

S.C. Foerch S.R.L.
 Str. Zizinului 110
 500407 Brasov
 RUMĂNIEN
 Tel. +40 368 408192
 Fax +40 368 408193
 E-Mail: info@foerch.ro
 Internet: www.foerch.ro

Förch A/S
Hagemannsvej 3
8600 SILKEBORG
DÄNEMARK
Tel. +45 86 823711
Fax +45 86 800617
E-Mail: info@foerch.dk
Internet: www.foerch.dk

Foerch AG
Netzibodenstrasse 23D
4133 Pratteln
SCHWEIZ
Tel. +41 61 8262030
Fax +41 61 8262039
E-Mail: info@foerch.ch
Internet: www.foerch.ch

Foerch Bulgaria EOOD
22 Parva Balgarska Armiya Str.
1220 Sofia, Bulgarien
Tel: 00359 2 981 2841
Fax: 00359 882 10 30 86
E-Mail: info@foerch.bg

Förch d.o.o.
Buzinska cesta 58
10010 Zagreb
KROATIEN
Tel. +385 1 2912900
Fax +385 1 2912901
E-Mail: info@foerch.hr
internet: www.foerch.hr

Theo Förch GmbH
Röcklbrunnstraße 39A
5020 Salzburg
ÖSTERREICH
Tel. +43 662 875574-0
Fax +43 662 878677-21
Verkauf Tel. +43 662 875574-900
Verkauf Fax +43 662 875574-30
E-Mail: info@foerch.at
Internet: www.foerch.at

Förch Componentes para Taller S.L.
Camino de San Antón, S/N
18102 Ambroz (Granada)
SPANIEN
Tel. +34 958 40 17 76
Fax +34 958 40 17 87
E-Mail: info@forch.es
Internet: www.forch.es

Lhomme Tools & Fasteners
SEINHUISSTRAAT 5 B4
POORT 0331
3600 Genk
BELGIEN
Tel +32 89 71 66 61
Fax +32 89 71 59 27
E-Mail: info@lhommetools.be
Internet: www.lhommetools.be

Ziebe Limited
82 Westcott Venture Park
HP18 0XB Westcott, Aylesbury, Bucks
GROSSBRITANNIEN
Tel +44 12 96 65 52 82
Fax +44 12 96 65 19 47
E-Mail: sales-dept@ziebe.co.uk
Internet: www.ziebe.co.uk

Foermi Handelshaus LLC
Dimitrovskoe Autostrasse
Building 107/18
127247 Moscow
RUSSISCHE FOEDERATION
Tel. 7-495 657 99 57
Fax 7-495 485 87 98
E-Mail: foermi.moscow@foerch.ru
Internet: www.forch.ru

Förch Polska Sp. z o.o.
43-392 MIĘDZYRZECZE GÓRNE 379
POLEN
k/ Bielska-Białej
Tel. +48 33 8156000
Fax +48 33 8158548
E-Mail: info@forch.pl
Internet: www.forch.pl

Vardalis S.M.P.C.
62, ETHNIKIS ANTISTASIS STR.
57007 CHALKIDONA/THESSALONIKI
GRIECHENLAND
Tel +30 23 91 02 12 22
Fax +30 23 91 02 12 23
E-Mail: info@forch.gr
Internet: www.foerch.com

Förch Kereskedelmi Kft
Börgöndi út 14
8000 Székesfehérvár
UNGARN
Tel. +36 22 348348
Fax +36 22 348355
E-Mail: info@foerch.hu
Internet: www.foerch.hu

Förch S.R.L.
VIA GALVANI 40 C
39100 BOLZANO
ITALIEN
Tel. +39 0471 204330
Fax +39 0471 204290
E-Mail: info@forch.it
Internet: www.forch.it

Förch Nederland BV
Demmersweg 18
7556 BN Hengelo
NIEDERLANDE
Tel. +31 85 7732420
E-Mail: info@foerch.nl
Internet: www.foerch.nl

Bilanaust Ehf.
Dvergshofda 2
110 Reykjavík
ISLAND
Tel. +354 535 9000
Fax. +354 535 9097
E-Mail: bilanaust@bilanaust.is
Internet: www.bilanaust.is

Förch Slovensko s.r.o.
Rosinská cesta 12
010 08 ŽILINA
SLOWAKEI
Tel +421 41 5002454
Fax +421 41 5002455
E-Mail: info@forch.sk
Internet: www.forch.sk

Normteknik i Sverige AB
Brännarevägen 1
151 55 Södertälje
SCHWEDEN
Tel. +46 8 55 08 92 64
Fax +46 8 55 08 90 62
E-Mail: info@foerch.se
Internet: www.foerch.se

Förch s.r.o.
Dopravní 1314/1
10400 PRAHA 10 – Uhřetěves
TSCHECHIEN
Tel. +420 271 001 984-9
Fax +420 271 001 994-5
E-Mail: info@foerch.cz
Internet: www.foerch.cz

Förch d.o.o.
LJUBLJANSKA CESTA 51A
1236 TRZIN
SLOWENIEN
Tel. +386 1 2442490
Fax +386 1 2442492
E-Mail: info@foerch.si
Internet: www.foerch.si

Forch Australia
2 Forward Street
GNANGARA WA 6077
Tel +61 (08) 9303 9113
Fax: +61 (08) 9303 9114
Emergency telephone: +614 13 550 330
Email : sales@forch.com.au
Internet: www.forch.com.au

CC Lubricants
Unit Portarlinton Business Park
Portarlinton
Co. Laois
Ireland
R32 E438
Telefon 00 353 57 8684500
Fax 00 353 57 8684508
admin@cclubricants.ie
www.cclubricants.ie

Förch Portugal Lda
Rua REPUBLICA DA BOLIVIA No. 69, 1 ESQ
1500-544 Lisboa
PORTUGAL
Tel. +351 917314442
Fax +351 253339576
E-Mail: info@forch.pt
Internet: www.forch.pt

Trigers SIA
Straupes Street IELA 3
1073 Riga
LETTLAND
Tel +371 6 7 90 25 15
Fax +371 67 90 24 96
E-Mail: trigers@trigers.lv
Internet: www.trigers.lv

Förch Otomotiv İnş. ve San. Ürünleri
Haramidere Mevkii Beysan Sanayi
Sitesi Birlik Caddesi No:6/3
34524 Beylikdüzü / Istanbul
Türkei
Tel. +90 (0)212 422 8744
Fax +90 (0)212 422 8788
E-Mail: info@forch.com.tr
Internet: www.forch.com.tr

Any abbreviations and acronyms used in this document:

AC	Article Categories
acc., acc. to	according, according to
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
AOEL	Acceptable Operator Exposure Level
AOX	Adsorbable organic halogen compounds
approx.	approximately
Art., Art. no.	Article number
ATE	Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
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
BGV	Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)
BHT	Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)
BMGV	Biological monitoring guidance value (EH40, UK)
BOD	Biochemical oxygen demand
BSEF	Bromine Science and Environmental Forum
bw	body weight
CAS	Chemical Abstracts Service
CEC	Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids
CESIO	Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques
CIPAC	Collaborative International Pesticides Analytical Council
CLP	Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
CMR	carcinogenic, mutagenic, reproductive toxic
COD	Chemical oxygen demand
CTFA	Cosmetic, Toiletry, and Fragrance Association
DMEL	Derived Minimum Effect Level
DNEL	Derived No Effect Level
DOC	Dissolved organic carbon
DT50	Dwell Time - 50% reduction of start concentration
DVS	Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)
dw	dry weight
e.g.	for example (abbreviation of Latin 'exempli gratia'), for instance
EC	European Community
ECHA	European Chemicals Agency
EEA	European Economic Area

Page 19 of 20

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

Revision date / version: 06.08.2018 / 0017

Replacing version dated / version: 08.03.2016 / 0016

Valid from: 06.08.2018

PDF print date: 11.09.2018

MS-P Adhesive Sealer transparent

295 g Art.: 6880 9 290, Art.: 6884 9 290

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)
ERC Environmental Release Categories
ES Exposure scenario
etc. et cetera
EU European Union
EWC European Waste Catalogue
Fax. Fax number
gen. general
GHS Globally Harmonized System of Classification and Labelling of Chemicals
GWP Global warming potential
HET-CAM Hen's Egg Test - Chorionallantoic Membrane
HGWP Halocarbon Global Warming Potential
IARC International Agency for Research on Cancer
IATA International Air Transport Association
IBC Intermediate Bulk Container
IBC (Code) International Bulk Chemical (Code)
IC Inhibitory concentration
IMDG-code International Maritime Code for Dangerous Goods
incl. including, inclusive
IUCLID International Uniform Chemical Information Database
LC lethal concentration
LC50 lethal concentration 50 percent kill
LCLo lowest published lethal concentration
LD Lethal Dose of a chemical
LD50 Lethal Dose, 50% kill
LDLo Lethal Dose Low
LOAEL Lowest Observed Adverse Effect Level
LOEC Lowest Observed Effect Concentration
LOEL Lowest Observed Effect Level
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 of Occupational Safety and Health (United States of America)
NOAEC No Observed Adverse Effective Concentration
NOAEL No Observed Adverse Effect Level
NOEC No Observed Effect Concentration
NOEL No Observed Effect Level
ODP Ozone Depletion Potential
OECD Organisation for Economic Co-operation and Development
org. organic
PAH polycyclic aromatic hydrocarbon
PBT persistent, bioaccumulative and toxic
PC Chemical product category
PE Polyethylene
PNEC Predicted No Effect Concentration
POCP Photochemical ozone creation potential
ppm parts per million
PROC Process category
PTFE Polytetrafluorethylene
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)
SADT Self-Accelerating Decomposition Temperature
SAR Structure Activity Relationship
SU Sector of use
SVHC Substances of Very High Concern

Page 20 of 20
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 06.08.2018 / 0017
Replacing version dated / version: 08.03.2016 / 0016
Valid from: 06.08.2018
PDF print date: 11.09.2018
MS-P Adhesive Sealer transparent
295 g Art.: 6880 9 290, Art.: 6884 9 290

Tel. Telephone
ThOD Theoretical oxygen demand
TOC Total organic carbon
TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).
WHO World Health Organization
wwt wet weight

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.

These statements were made by:

Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.