

	<b>Material Safety Data Sheet</b> According to Commission regulation (EU) 2020/878 and article 31 EU REACH Regulation	Revision: 05.04.2019 Update date: 14.11.2024
	<b>GRAFEN PROFESSIONAL</b> <b>POLIURETHANE SEALANT</b>	Version 5.0 Page 1 of 10

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

### 1.1 Product identifier

Grafen Professional Polyurethane Sealant PU 25, Grafen Professional Polyurethane Sealant PU 40, Grafen Professional Polyurethane Sealant PU 50

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

**Relevant identified uses:** Used for sealing cement board, ceramic, corrugated sheets, to fill gaps of roofs and terraces, sealing and bonding connections floors and terraces, the expansion joints of concrete floors. Available colors: white/ grey/ black.

Only for professional use.

**Uses advised against:** No data available

### 1.3 Details of the supplier of the safety data sheet:

**Supplier:**

**Street address:**

**Country/Postcode:**

**Telephone number:**

**E-mail:**

**Madejski Spółka Komandytowa**

Makuszyńskiego 28

Poland, 31-752 Kraków

+48 (12) 643 67 67

info@madejski.com.pl

### 1.4 Emergency telephone number:

112

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Mixture:**

Classification according to Regulation (EC) No 1272/2008 (CLP)

Resp. Sens.1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. (Respiratory, hazard category 1)

### 2.2 Label elements

Contains diphenylmethane- 4,4'-diisocyanate, tosyl isocyanate.

### Supplemental information on the label:

EUH204 Contains isocyanates. May produce an allergic reaction.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e.type A1 according to standard EN 14387) is used.

As from 24 August 2023 adequate training is required before industrial or professional use.

### Hazard pictograms:



**Signal word:**

**DANGER**

### Hazard statements:

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

### Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

	<b>Material Safety Data Sheet</b> According to Commission regulation (EU) 2020/878 and article 31 EU REACH Regulation	Revision: 05.04.2019
		Update date: 14.11.2024
	<b>GRAFEN PROFESSIONAL</b> <b>POLIURETHANE SEALANT</b>	Version 5.0
		Page 2 of 10

P102 Keep out of reach of children.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

P501 Dispose of contents/container to in accordance with local/ regional/national/international regulation.

### 2.3 Other hazards

The mixture does not contain substances meeting the PBT or vPvB criteria in accordance with Annex XIII of the REACH Regulation in a concentration  $\geq 0.1\%$  w/w.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

## SECTION 3: Composition/information on ingredients

3.1 Substances: Not applicable.

3.2 Mixtures:

Name	Identifiers	[% weight]	Classification according to Regulation (EC) No 1278/2008 (CLP).
Xylene	Index No: 601-022-00-9 EC No: 215-535-7 CAS No: 1330-20-7 REACH Registration No.: 01-2119488216-32-XXXX	$\geq 5 - < 10$	Flam. Liq.3 H226 Acute Tox.4 H312 Skin Irrit.2 H315 Acute Tox.4 H332 Note C substance with a Community workplace exposure limit
Titanium Dioxide	Index No: 022-006-00-2 EC No: 236-675-5 CAS No: 13463-67-7 REACH Registration No.: 01-2119489379-17-XXXX	$\geq 1 - < 5$	Carc. 2 H351 Note 10
Ethylbenzene	Index No: 601-023-00-4 EC No: 202-849-4 CAS No: 100-41-4 REACH Registration No.:*	$\geq 1 - < 5$	Flam. Liq. 2 H225 Acute Tox.4 H332 STOT RE 2 H373 Asp. Tox.1 H304 substance with a Community workplace exposure limit
Ddiphenylmethane- 4,4'-diisocyanate	Index No.: 615-005-00-9 EC No: 202-966-0 CAS No: 101-68-8 REACH Registration No: -*	$\geq 0.5 - < 1$	Skin Irrit.2 H315 Skin Sens.1 H317 Eye Irrit.2 H319 Acute Tox.4 H332 Resp. Sens.1 H334 STOT SE.3 H335 Carc.2 H351 STOT RE.2 H373 Note C Note 2 Specific Conc. Limits: Eye Irrit. 2; H319:C $\geq 5\%$ Skin Irrit.2; H315: C $\geq 5\%$ Resp. Sens. 1;H334: C $\geq 0,1\%$ STOT SE 3; H335:C $\geq 5\%$
Calcium oxide	Index No: - EC No: 215-138-9 CAS No: 1305-78-8 REACH Registration No.: 01-2119475325-36-XXXX	$\geq 0,5 - < 1$	Skin Irrit. 2 H315 Eye Dam. 1 H318 STOT SE.3 H335 substance with a Community workplace exposure limit

	<b>Material Safety Data Sheet</b> According to Commission regulation (EU) 2020/878 and article 31 EU REACH Regulation		Revision: 05.04.2019
			Update date: 14.11.2024
	<b>GRAFEN PROFESSIONAL</b> <b>POLIURETHANE SEALANT</b>		Version 5.0
			Page 3 of 10

4- isocyanatosulphonyltoluen e; tosyl isocyanate	Index No: 615-012-00-7 EC No: 223-810-8 CAS No: 4083-64-1 REACH Registration No.: 01-2119980050-47-XXXX	<0,5	Skin Irrit. 2 H315 Eye Irrit. 2 H319 Resp. Sens.1 H334 STOT SE.3 H335 Specific Conc. Limits: Eye Irrit.; H319: C ≥ 5 % STOT SE 3; H335: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %
phosphoric acid ... %	Index No: EC No: CAS No: REACH Registration No.:	<0,5	Skin Corr. 1B, H314 Note B substance with a Community workplace exposure limit Specific Conc. Limits: Skin Corr. 1B; H314: C≥25% Skin Irrit. 2; H315: 10%≤C<25% Eye Irrit. 2; H319: 10%≤C<25%

\*A registration number is not available for this substance as the substance is exempted from registration or the annual tonnage does not require a registration.

Note B: solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Note C- Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note 2 The concentration of isocyanate stated is the percentage by weight of the free monomer calculated with reference to the total weight of the mixture.

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

The Full Text for all H-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Following eye contact:** Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention if symptoms occur after washing.

**Following inhalation:** Move the exposed person to fresh air at once. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

**Following skin contact:** Immediately remove contaminated clothing. Wash the skin with soap and water. Contaminated clothing should be washed before re-use. Get medical attention promptly if symptoms occur and persists after washing.

**Following ingestion:** Never give anything by mouth to an unconscious person. Seek medical advice. Provide ventilation. Call a poison centre or a doctor if you feel unwell.

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

May produce an allergic reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

If any symptoms persist seek medical advice and show the msds or label.

**Notes for the doctor:** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** foam, carbon dioxide, dry powder, water spray.

**Unsuitable extinguishing media:** do not use water in a jet.

### 5.2 Special hazards arising from the substance or mixture

Thermal decomposition or combustion may liberate toxic fumes. Do not inhale combustion products, it may cause health risk.

	<b>Material Safety Data Sheet</b> According to Commission regulation (EU) 2020/878 and article 31 EU REACH Regulation	Revision: 05.04.2019 Update date: 14.11.2024
	<b>GRAFEN PROFESSIONAL</b> <b>POLIURETHANE SEALANT</b>	Version 5.0 Page 4 of 10

### 5.3 Advice for firefighters

**Special Fire Fighting Procedures:** Wear full protective clothing and self-contained breathing apparatus.

**Protective equipment for fire-fighters:** Keep containers cool by spraying with water. If possible, remove containers from the danger zone. Prevent from spreading or entering drains, ditches or rivers. Dispose of released and contained material in accordance with local regulations.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel:**

Removed from the danger area all persons not involved in the emergency. If necessary, order the evacuation. Avoid contact with skin, eyes. Avoid inhalation of vapours/dust. Provide ventilation.

**For emergency responders:**

Wear protective clothing as described in Section 8.

### 6.2 Environmental precautions

Do not discharge into drains, water courses or into the ground. Local authorities should be advised if any exposure to the environment occurs.

### 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (eg. sawdust, sand). Collect in a waste container. Dispose of waste according to the applicable local and national regulation. Ventilate the area with fresh air.

### 6.4 Reference to other sections

See Section 8 for information on personal protective equipment.

See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Protective measures:**

Use only in a well-ventilated area. Avoid breathing vapor/dust. Avoid contact with eyes, skin. When handling, use appropriate personal protective equipment (see Section 8). Keep away from heat. Do not smoke! When using do not eat or drink.

**Advice on general occupational hygiene:**

Ensure good ventilation / exhaustion at the workplace. When using do not eat, drink or smoke. Wash hand before and after work with product. Contaminated clothing should be washed before re-use.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks, sunlight, open flame and smoking.

### 7.3 Specific end use(s)

Polyurethane Sealant.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

International Limits Values:

Substance	CAS No:	Basis / Country	Short Time Value [mg/m <sup>3</sup> ]	Short Time Value [ppm-Calculated]	Time Weighted Average Exposure Limit [mg/m <sup>3</sup> -8 h]	Time Weighted Average Exposure Limit [ppm-Calculated]

	<b>Material Safety Data Sheet</b> According to Commission regulation (EU) 2020/878 and article 31 EU REACH Regulation		Revision: 05.04.2019
			Update date: 14.11.2024
	<b>GRAFEN PROFESSIONAL</b> <b>POLIURETHANE SEALANT</b>		Version 5.0
			Page 5 of 10

<b>Xylene</b>	1330-20-7	<b>EU</b>	442	100	221	50
		Belgium	442	100	221	50
		Denmark	218	50	109	25
		France	442	100	221	50
		Hungary	442	-	221	-
		Italy	442	100	221	50
		Latvia	442	100	221	50
		Romania	442	100	221	50
		Spain	442	100	221	50
<b>Ethylbenzene</b>	100-41-4	<b>EU</b>	884	200	442	100
		Belgium	551	125	87	20
		Denmark	434	100	217	50
		France	442	100	88,4	20
		Hungary	884	-	442	-
		Italy	884	200	442	100
		Latvia	884	200	442	100
		Romania	884	200	442	100
		Spain	884	200	442	100
<b>Titanium Dioxide</b>	13463-67-7	Belgium	-	-	10	-
		Denmark	12	-	6	-
		France	-	-	11	-
		Latvia	-	-	10	-
		Romania	-	-	10	-
		Spain	-	-	10	-
<b>Calcium oxide</b>	1305-78-8	<b>EU</b>	4	-	1	-
		Belgium	4	-	1	-
		Denmark	2	-	1	-
		France	4	-	1	-
		Hungary	4	-	1	-
		Italy	4	-	1	--
		Latvia	4	-	1	-
		Romania	4	-	1	-
		Spain	4	-	1	-
<b>Phosphoric acid</b>	7664-38-2	<b>EU</b>	2	-	1	-
		Belgium	2	-	1	-
		Denmark	2	-	1	-
		France	2	0,5	1	0,2
		Hungary	2	-	1	-
		Italy	2	-	1	-
		Latvia	2	-	1	-
		Romania	2	-	1	-
		Spain	2	-	1	-

DNEL, PNEC - No data available

## 8.2 Exposure controls

### Appropriate engineering controls

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Avoid contact with eyes. Wear approved chemical safety goggles where eye exposure is reasonably probable. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166.

#### Skin protection:

Hand protection: Use gloves eg. Nitril rubber (>480min; 0,4mm) Gloves must be inspected prior to use.

The selected protective gloves have to satisfy the specifications of Directive 89/686 / EEC and EN 374.

Other: Wear protective clothing. Contaminated clothing should be washed before re-use.

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a face respirator. It is recommended to use respiratory equipment with filter type A.

	<b>Material Safety Data Sheet</b> According to Commission regulation (EU) 2020/878 and article 31 EU REACH Regulation	Revision: 05.04.2019
		Update date: 14.11.2024
	<b>GRAFEN PROFESSIONAL</b> <b>POLIURETHANE SEALANT</b>	Version 5.0
		Page 6 of 10

**Thermal hazards:** Protection is not required; the product poses no thermal risk.

**Environmental exposure controls**

Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapour. Do not discharge into drains, water courses or into the ground. Local authorities should be advised if any exposure to the environment occurs.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	Liquid (paste)
Colour	White, grey, black
Odour	Characteristic
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	No data available
Lower and upper explosion limit	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	> 1724137,931 mm <sup>2</sup> /s
Solubility	Insoluble in water
Partition coefficient n-octanol/water (log value)	No data available
Vapour pressure	No data available
Density and/or relative density	1.16 g/cm <sup>3</sup> ±0,03
Relative vapour density	No data available
Particle characteristics	No data available

### 9.2 Other information:

No data available.

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Not reactive under normal conditions of storage and use.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions are expected under normal conditions of storage and use.

### 10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products



	<b>Material Safety Data Sheet</b> According to Commission regulation (EU) 2020/878 and article 31 EU REACH Regulation	Revision: 05.04.2019
		Update date: 14.11.2024
	<b>GRAFEN PROFESSIONAL</b> <b>POLIURETHANE SEALANT</b>	Version 5.0
		Page 7 of 10

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

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

#### Acute toxicity

No data available for the mixture.

4-isocyanatosulphonyltoluene; tosyl isocyanate

LD50 (oral, rat) 2330 mg/kg bodyweight

LD50 (dermal, rat) > 2000 mg/kg bodyweight

xylene

LD50 (dermal, rabbit) 12126 mg/kg bodyweight

ethylbenzene

LD50 (oral, rat) 3500 mg/kg

LD50 (dermal, rabbit) 15433 mg/kg bodyweight

LC50 (Inhalation, rat) 17.8 mg/l

Titanium Dioxide

LD50 (oral, rat) >5000 mg/kg

LC50 (inhalation, rat) >5,09 mg/l

ATEmix- calculated:

Acute toxicity (oral) :>2000 mg/kg; not classified

Acute toxicity (dermal): >2000 mg/kg; not classified

Acute toxicity (inhalation) :>20 mg/kg; not classified

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

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

#### Respiratory or skin sensitisation

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

#### Germ cell mutagenicity

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

#### Carcinogenicity

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

#### Reproductive toxicity

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

#### STOT-single exposure

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

#### STOT-repeated exposure

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

#### Aspiration hazard

Based on available data, the classification criteria are not met

### 11.2 Information on other hazards

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available for the mixture.

4-isocyanatosulphonyltoluene; tosyl isocyanate

LC50 Fish (*Oncorhynchus mykiss*) > 45 mg/l/96 h

EC50 Aquatic invertebrates (*Daphnia* sp) > 100 mg/l/48 h

EC50 Algae (*Pseudokirchneriella subcapitata*) 30 mg/l

	<b>Material Safety Data Sheet</b> According to Commission regulation (EU) 2020/878 and article 31 EU REACH Regulation	Revision: 05.04.2019
		Update date: 14.11.2024
	<b>GRAFEN PROFESSIONAL</b> <b>POLIURETHANE SEALANT</b>	Version 5.0
		Page 8 of 10

Xylene

LC50 Fish (Oncorhynchus mykiss) 2,6 mg/l

EC50 Aquatic invertebrates (Ceriodaphnia dubia) >3,4 mg/l

Ethylbenzene

LC50 Fish (Menidia menidia) 5,1 mg/l/96 h

EC50 Aquatic invertebrates (Daphnia magna) 1.8 – 2.4 mg/l/48h

EC50 Algae (Pseudokirchneriella subcapitata) 5,4 mg/l/72h

Titanium Dioxide

LC50 Fish (Oncorhynchus mykiss) > 100 mg/l/96 h

EC50 Aquatic invertebrates (Daphnia magna) 19,3 mg/l

EC50 Algae (Pseudokirchneriella subcapitata) >100 mg/l/72h

## 12.2 Persistence and degradability

No further relevant information available.

### 4-isocyanatosulphonyltoluene; tosyl isocyanate (4083-64-1)

Persistence and degradability Readily biodegradable in water.

### ethylbenzene (100-41-4)

Persistence and degradability Biodegradable in the soil. Readily biodegradable in water.

Biochemical oxygen demand (BOD) 1.44 g O<sub>2</sub>/g substance

Chemical oxygen demand (COD) 2.1 g O<sub>2</sub>/g substance

ThOD 3.17 g O<sub>2</sub>/g substance

## 12.3 Bioaccumulative potential

No further relevant information available.

### 4-isocyanatosulphonyltoluene; tosyl isocyanate (4083-64-1)

Partition coefficient n-octanol/water (Log Pow) 0.6

Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).

### ethylbenzene (100-41-4)

Partition coefficient n-octanol/water (Log Pow) 3.6

Bioaccumulative potential Low potential for bioaccumulation (BCF < 500).

### 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (101-68-8)

Partition coefficient n-octanol/water (Log Pow) ≈ 4.51 20°C

## 12.4 Mobility in soil

No further relevant information available.

## 12.5 Results of PBT and vPvB assessment

The mixture does not contain substances meeting the PBT or vPvB criteria in accordance with Annex XIII of the REACH Regulation in a concentration ≥ 0.1%w/w

## 12.6 Endocrine disrupting properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

## 12.7 Other adverse effects

No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.



	<b>Material Safety Data Sheet</b> According to Commission regulation (EU) 2020/878 and article 31 EU REACH Regulation	Revision: 05.04.2019 Update date: 14.11.2024
		Version 5.0
	<b>GRAFEN PROFESSIONAL</b> <b>POLIURETHANE SEALANT</b>	Page 9 of 10

## SECTION 14: Transport Information

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1. UN number or ID number	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards	NO	NO	NO	NO
14.6. Special precautions for user	Not applicable	Not applicable	No EmS: F-D No EmS : S-U	Not applicable
14.7. Maritime transport in bulk according to IMO instruments	Not applicable	Not applicable	Not applicable	Not applicable

## SECTION 15: Regulatory information

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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

#### 56(a) Methylenediphenyl diisocyanate (MDI) isomers: 4,4'-Methylenediphenyl diisocyanate

1. Shall not be placed on the market after 27 December 2010, as a constituent of mixtures in concentrations equal to or greater than 0,1 % by weight of MDI for supply to the general public, unless suppliers shall ensure before the placing on the market that the packaging

(a) contains protective gloves which comply with the requirements of Council Directive 89/686/EEC;

(b) is marked visibly, legibly and indelibly as follows, and without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures:

— Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

— Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

— This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

#### 74. Diisocyanates, $O = C=N-R-N = C=O$ , with R an aliphatic or aromatic hydrocarbon unit of unspecified length: : 4,4'-Methylenediphenyl diisocyanate

1. Shall not be used as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 August 2023, unless:

(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or

(b) the employer or self-employed ensures that industrial or professional user(s) have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture(s).

2. Shall not be placed on the market as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 February 2022, unless:

(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or

(b) the supplier ensures that the recipient of the substance(s) or mixture(s) is provided with information on the requirements referred to in point (b) of paragraph 1 and the following statement is placed on the packaging, in a manner that is visibly distinct from the rest of the label information: "As from 24 August 2023 adequate training is required before industrial or professional use".

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006

	<b>Material Safety Data Sheet</b> According to Commission regulation (EU) 2020/878 and article 31 EU REACH Regulation	Revision: 05.04.2019
		Update date: 14.11.2024
	<b>GRAFEN PROFESSIONAL</b> <b>POLIURETHANE SEALANT</b>	Version 5.0
		Page 10 of 10

concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. 2014/955/EU: Commission Decision of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council Text with EEA relevance.

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

## SECTION 16: Other information

Classification according to Regulation (EC) No. 1272/2008  
 Resp. Sens.1 H334

### Relevant H-statements (number and full text)

H225 Highly flammable liquid and vapour.  
 H226 Flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H312 Harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation  
 H317 May cause an allergic skin reaction  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H335 May cause respiratory irritation.  
 H351 Suspected of causing cancer  
 H373 May cause damage to organs through prolonged or repeated exposure

### Additional Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, Information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Product Safety Data Sheet to their own Product Safety Data Sheet.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary –even for the same product between different countries, reflecting the different compliance requirements.

Update section: 2,3,8,9,11,12, 16.