	<b>Material Safety Data Sheet</b>	Revision: 12.07.2013
	According to article 31 and Annex II of the EU REACH Regulation	Update date: 25.05.2018
	<b>GRAFEN PROFESSIONAL NEUTRAL SILICONE</b>	Version 3.0
		Page 1 of 8

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

### 1.1 Product identifier

**Grafen Professional Neutral Silicone 280 ml/600 ml**

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

**Relevant identified uses:** Silicone sealant. Designed to fulfill the connections, joints and gaps between building elements and structures of brick, concrete, plastic, brass, steel and sheet metal. The seals in the refrigeration industry, the automotive and electrical and electronic equipment.

**Uses advised against:** No further relevant information available.

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

<b>Supplier:</b>	<b>Madejski Sp. J.</b>
<b>Street address:</b>	ul. Makuszyńskiego 28
<b>Country/Postcode:</b>	Poland, 31-752 Kraków
<b>Telephone number:</b>	+48 (12) 643 67 67
<b>E-mail</b>	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)

Classification of the mixture	Regulation (EC) No 1272/2008 (CLP)
Hazard	
Physical and chemical properties	Not classified
Human	Not classified
Environment	Not classified

### 2.2 Label elements:

Not applicable

#### Supplemental information on the label:

EUH210 Safety data sheet available on request.

EUH208 Contains 3-aminopropyltriethoxysilane (CAS:919-30-2). May produce an allergic reaction.

#### Hazard pictograms:


Not applicable

#### Signal word:

Not applicable

#### Hazard statements:

Not applicable

	<b>Material Safety Data Sheet</b>	Revision: 12.07.2013
	According to article 31 and Annex II of the EU REACH Regulation	Update date: 25.05.2018
	<b>GRAFEN PROFESSIONAL NEUTRAL SILICONE</b>	Version 3.0
		Page 2 of 8

**Precautionary statements:**

Not applicable

**2.3 Other hazards**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB. During hydrolysis it releases ethanol.

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

**3.1 Substances:** Not applicable

**3.2 Mixtures:**

Name	Identifiers	[% wag.]	Classification according to Regulation (EC) No 1278/2008 (CLP).
<b>Distillates, petroleum, hydrotreated middle</b>	Index No: 649-221-00-X EC No: 265-148-2 CAS No: 64742-46-7 REACH Registration No.: -*	<5	Carc. 1B H350 Asp. Tox.1 H304 Note N
<b>3-Aminopropyl(methyl) silsesquioxanes, ethoxy-terminated</b>	Index No: --- EC No: 603-274-5 CAS No: 128446-60-6 REACH Registration No.: -*	<3	Flam. Liq. 3 H226 Skin Irrit. 2 H315 Eye Irrit. 2 H319

\*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 N The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen. This note applies only to certain complex oil derived substances in Part 3.

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.

**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 after washing.

**Following ingestion:** Do not induce vomiting. Immediately rinse mouth. Give victim water to drink. Never give anything by mouth to an unconscious person. Seek medical advice. Provide ventilation.


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

No data available

**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.

	<b>Material Safety Data Sheet</b>	Revision: 12.07.2013
	According to article 31 and Annex II of the EU REACH Regulation	Update date: 25.05.2018
	<b>GRAFEN PROFESSIONAL NEUTRAL SILICONE</b>	Version 3.0
		Page 3 of 8

## 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 carbon oxides, silicon oxides

### 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 / aerosols. 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). The spilled product produces an extremely slippery surface. Be sure to clean completely. Dispose of waste according to the applicable local and national regulation.

### 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 or aerosol. Avoid contact with eyes and skin. When handling, use appropriate personal protective equipment (see Section 8). 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. Contaminated clothing should be washed before re-use.

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

Store in the original, properly labeled, tightly closed containers in a dry, well-ventilated storage area.

### 7.3 Specific end use(s)

Sealant.

	<b>Material Safety Data Sheet</b>	Revision: 12.07.2013
	According to article 31 and Annex II of the EU REACH Regulation	Update date: 25.05.2018
	<b>GRAFEN PROFESSIONAL NEUTRAL SILICONE</b>	Version 3.0
		Page 4 of 8

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### International Limits Values:

During hydrolysis it releases ethanol.

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]
Ethanol	64-17-5	Germany	1920	1000	960	500

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

No data available

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

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. Gloves must be inspected prior to use. Recommended gloves:

Material: butyl rubber

Minimum layer thickness: >0.3mm

Break through time: 480 min

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 ABEK meeting requirements EN 14387.


##### 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

Appearance	Paste
Odour	Characteristic
Odour threshold	No data available
pH	No data available
Melting point/freezing point	No data available

	<b>Material Safety Data Sheet</b>	Revision: 12.07.2013
	According to article 31 and Annex II of the EU REACH Regulation	Update date: 25.05.2018
	<b>GRAFEN PROFESSIONAL NEUTRAL SILICONE</b>	Version 3.0
		Page 5 of 8

Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	1,01 g/cm <sup>3</sup> (23°C)
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	> 400 ° C
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	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 normal usage conditions.

#### 10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4 Conditions to avoid

Moisture.

#### 10.5 Incompatible materials

Reacts with: water , basic substances and acids . Reaction causes the formation of: ethanol.

#### 10.6 Hazardous decomposition products

Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

### SECTION 11: Toxicological information


#### 11.1. Information on toxicological effects

##### Acute toxicity

No data available for the mixture

##### Distillates, petroleum, hydrotreated middle

LD50 (rat, oral)	>5000 mg/kg bw
LC50 (rat, inhalation)	4,6 mg/L
LD50 (rabbit, dermal)	>2000 mg/kg

	<b>Material Safety Data Sheet</b>		Revision: 12.07.2013
	According to article 31 and Annex II of the EU REACH Regulation		Update date: 25.05.2018
	<b>GRAFEN PROFESSIONAL NEUTRAL SILICONE</b>		Version 3.0
			Page 6 of 8

**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**

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

**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.

**Additional information**

No further relevant information available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

No data available.

**12.2 Persistence and degradability**

No further relevant information available.

**12.3 Bioaccumulative potential**

No further relevant information available.

**12.4 Mobility in soil**

No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6 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.


**Proposed waste code**

**08 04 09\*** Waste adhesives and sealants containing organic solvents or other hazardous substances

**15 01 02** Plastic packaging

**SECTION 14: Transport Information**

	ADR/RID	ADN/ADNR	IMDG	IATA
<b>14.1. UN number</b>	Not applicable	Not applicable	Not applicable	Not applicable

	<b>Material Safety Data Sheet</b>	Revision: 12.07.2013
	According to article 31 and Annex II of the EU REACH Regulation	Update date: 25.05.2018
	<b>GRAFEN PROFESSIONAL NEUTRAL SILICONE</b>	Version 3.0
		Page 7 of 8

<b>14.2. UN proper shipping name</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es) label</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.6. Special precautions for user</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.7. Transport in bulk according to Annex II of Marpol and the IBC Code</b>	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

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 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

The product is not classified in accordance with Regulation EC 1272/2008 (CLP).

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

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.


H319 Causes serious eye irritation.

H350 May cause cancer

### 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

	<b>Material Safety Data Sheet</b>	Revision: 12.07.2013
	According to article 31 and Annex II of the EU REACH Regulation	Update date: 25.05.2018
	<b>GRAFEN PROFESSIONAL NEUTRAL SILICONE</b>	Version 3.0
		Page <b>8</b> of <b>8</b>

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.  
Update: section 2,3,4,7,8,9,10,11,12,15,16.