




**14014-B - Rocathaan Filler GF-400 - Base**
**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** 14014-B - Rocathaan Filler GF-400 - Base  
**Other means of identification:**  
 Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
 Relevant uses: Filler for repairing surfaces. For professional users only.  
 Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
 Prokol Protective Coatings  
 Duizeltonksestraat 44  
 5705 CA Helmond - Noord-Brabant - Nederland  
 Phone: +31 (0) 85 78 200 20  
 sds@prokol.nl  
 www.prokol.com
- 1.4 Emergency telephone number:** +31 (0) 85 78 200 20 Mon - Fri 8am - 4.45pm

**SECTION 2: HAZARDS IDENTIFICATION**

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) No 1272/2008:**  
 Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.  
 Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411  
 Eye Irrit. 2: Eye irritation, Category 2, H319  
 Repr. 2: Reproductive toxicity, Category 2, H361
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Warning**
- 


- Hazard statements:**  
 Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Repr. 2: H361 - Suspected of damaging fertility or the unborn child.
- Precautionary statements:**  
 P201: Obtain special instructions before use.  
 P264: Wash thoroughly after handling.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+P313: IF exposed or concerned: Get medical advice/attention.  
 P391: Collect spillage.  
 P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.
- Supplementary information:**  
 EUH208: Contains 3-aminopropyltriethoxysilane, 4-morpholinecarbaldehyde. May produce an allergic reaction.  
 EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
- Substances that contribute to the classification**  
 Reaction mass of 2-ethylpropane-1,3-diol and 5-ethyl-1,3-dioxane-5-methanol and propylidynetrimethanol
- UFI:** 3P20-F0Y6-A009-6367
- 2.3 Other hazards:**  
 Product does not meet PBT/vPvB criteria  
 Endocrine-disrupting properties: The product does not meet the criteria.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substance:

Non-applicable

### 3.2 Mixture:

**Chemical description:** Formulated polyamines

### Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification	Concentration
CAS: Non-applicable EC: 904-153-2 Index: Non-applicable REACH:01-2119488034-38-XXXX	<b>Reaction mass of 2-ethylpropane-1,3-diol and 5-ethyl-1,3-dioxane-5-methanol and propyldynetrimeethanol<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Eye Irrit. 2: H319; Repr. 2: H361 - Warning	10 - <25 %
CAS: 68479-98-1 EC: 270-877-4 Index: 612-130-00-0 REACH:01-2119486805-25-XXXX	<b>Diethylmethylbenzenediamine<sup>(1)</sup></b> ATP CLP00 Regulation 1272/2008 Acute Tox. 4: H302+H312; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; STOT RE 2: H373 - Warning	2.5 - <5 %
CAS: 102-60-3 EC: 203-041-4 Index: Non-applicable REACH:01-2119552434-41-XXXX	<b>1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Eye Irrit. 2: H319 - Warning	1 - <2.5 %
CAS: 13463-67-7 EC: 236-675-5 Index: 022-006-00-2 REACH:01-2119489379-17-XXXX	<b>Titanium dioxide (aerodynamic diameter ≤ 10 µm)<sup>(1)</sup></b> ATP ATP14 Regulation 1272/2008 Carc. 2: H351 - Warning	1 - <2.5 %
CAS: 919-30-2 EC: 213-048-4 Index: 612-108-00-0 REACH:01-2119480479-24-XXXX	<b>3-aminopropyltriethoxysilane<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger	<1 %
CAS: 4394-85-8 EC: 224-518-3 Index: Non-applicable REACH:01-2119987993-12-XXXX	<b>4-morpholinecarbaldehyde<sup>(1)</sup></b> Self-classified Regulation 1272/2008 Skin Sens. 1B: H317 - Warning	<1 %
CAS: 108-95-2 EC: 203-632-7 Index: 604-001-00-2 REACH:01-2119471329-32-XXXX	<b>phenol<sup>(2)</sup></b> Self-classified Regulation 1272/2008 Acute Tox. 3: H301+H311+H331; Eye Dam. 1: H318; Muta. 2: H341; Skin Corr. 1B: H314; STOT RE 2: H373 - Danger	<1 %

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

<sup>(2)</sup> Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity	Genus
phenol	LD50 oral 282 mg/kg	Mouse
CAS: 108-95-2	LD50 dermal 660 mg/kg	Rat
EC: 203-632-7	LC50 inhalation Not relevant	
Diethylmethylbenzenediamine	LD50 oral 598 mg/kg	Rat
CAS: 68479-98-1	LD50 dermal 1100 mg/kg	Rat
EC: 270-877-4	LC50 inhalation Not relevant	
3-aminopropyltriethoxysilane	LD50 oral 1491 mg/kg	Rat
CAS: 919-30-2	LD50 dermal Not relevant	
EC: 213-048-4	LC50 inhalation Not relevant	

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures:

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**14014-B - Rocathaan Filler GF-400 - Base****SECTION 4: FIRST AID MEASURES (continued)**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

**By skin contact:**

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

**By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Not relevant

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media:****Suitable extinguishing media:**

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

**Unsuitable extinguishing media:**

Non-applicable

**5.2 Special hazards arising from the substance or mixture:**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

**For emergency responders:**

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### SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

#### 6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

#### 6.4 Reference to other sections:

See sections 8 and 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

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

A.- Specific storage requirements

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

#### 7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
Titanium dioxide (aerodynamic diameter $\leq 10 \mu\text{m}$ ) CAS: 13463-67-7 EC: 236-675-5	WEL (8h)		4 mg/m <sup>3</sup>
	WEL (15 min)		
phenol <sup>(1)</sup>	WEL (8h)	2 ppm	7.8 mg/m <sup>3</sup>

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification		Occupational exposure limits		
CAS: 108-95-2	EC: 203-632-7	WEL (15 min)	4 ppm	16 mg/m <sup>3</sup>

<sup>(1)</sup> Skin

**DNEL (Workers):**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Reaction mass of 2-ethylpropane-1,3-diol and 5-ethyl-1,3-dioxane-5-methanol and propylidynetrimethanol CAS: Non-applicable EC: 904-153-2	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	4.2 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	14.6 mg/m <sup>3</sup>	Not relevant
Diethylmethylbenzenediamine CAS: 68479-98-1 EC: 270-877-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0.13 mg/m <sup>3</sup>	Not relevant
1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol CAS: 102-60-3 EC: 203-041-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	4.2 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	29.4 mg/m <sup>3</sup>	Not relevant
3-aminopropyltriethoxysilane CAS: 919-30-2 EC: 213-048-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	2 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	14 mg/m <sup>3</sup>	Not relevant
4-morpholinecarbaldehyde CAS: 4394-85-8 EC: 224-518-3	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	11.7 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	50.3 mg/m <sup>3</sup>	13.3 mg/m <sup>3</sup>
phenol CAS: 108-95-2 EC: 203-632-7	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	1.23 mg/kg	Not relevant
	Inhalation	Not relevant	16 mg/m <sup>3</sup>	8 mg/m <sup>3</sup>	Not relevant

**DNEL (General population):**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Reaction mass of 2-ethylpropane-1,3-diol and 5-ethyl-1,3-dioxane-5-methanol and propylidynetrimethanol CAS: Non-applicable EC: 904-153-2	Oral	Not relevant	Not relevant	2.5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	2.5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	4.4 mg/m <sup>3</sup>	Not relevant
Diethylmethylbenzenediamine CAS: 68479-98-1 EC: 270-877-4	Oral	Not relevant	Not relevant	0.1 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0.1 mg/m <sup>3</sup>	Not relevant
1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol CAS: 102-60-3 EC: 203-041-4	Oral	Not relevant	Not relevant	2.5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	2.5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	8.7 mg/m <sup>3</sup>	Not relevant
3-aminopropyltriethoxysilane CAS: 919-30-2 EC: 213-048-4	Oral	Not relevant	Not relevant	1 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	3.5 mg/m <sup>3</sup>	Not relevant
4-morpholinecarbaldehyde CAS: 4394-85-8 EC: 224-518-3	Oral	Not relevant	Not relevant	4.17 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	4.17 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	8.93 mg/m <sup>3</sup>	13.3 mg/m <sup>3</sup>
phenol CAS: 108-95-2 EC: 203-632-7	Oral	Not relevant	Not relevant	0.4 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0.4 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	1.32 mg/m <sup>3</sup>	Not relevant

**PNEC:**

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**



Identification				
Reaction mass of 2-ethylpropane-1,3-diol and 5-ethyl-1,3-dioxane-5-methanol and propylidynetrimethanol CAS: Non-applicable EC: 904-153-2	STP	100 mg/L	Fresh water	0.743 mg/L
	Soil	Not relevant	Marine water	0.074 mg/L
	Intermittent	7.43 mg/L	Sediment (Fresh water)	Not relevant
	Oral	Not relevant	Sediment (Marine water)	Not relevant
Diethylmethylbenzenediamine CAS: 68479-98-1 EC: 270-877-4	STP	17 mg/L	Fresh water	0.001 mg/L
	Soil	0.0056 mg/kg	Marine water	0 mg/L
	Intermittent	0.005 mg/L	Sediment (Fresh water)	0.029 mg/kg
	Oral	0.002 g/kg	Sediment (Marine water)	0.003 mg/kg
1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol CAS: 102-60-3 EC: 203-041-4	STP	70 mg/L	Fresh water	0.085 mg/L
	Soil	0.018 mg/kg	Marine water	0.009 mg/L
	Intermittent	1.51 mg/L	Sediment (Fresh water)	0.193 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.019 mg/kg
3-aminopropyltriethoxysilane CAS: 919-30-2 EC: 213-048-4	STP	1.3 mg/L	Fresh water	Not relevant
	Soil	Not relevant	Marine water	Not relevant
	Intermittent	Not relevant	Sediment (Fresh water)	Not relevant
	Oral	Not relevant	Sediment (Marine water)	Not relevant
4-morpholinecarbaldehyde CAS: 4394-85-8 EC: 224-518-3	STP	2000 mg/L	Fresh water	0.5 mg/L
	Soil	0.244 mg/kg	Marine water	0.05 mg/L
	Intermittent	5 mg/L	Sediment (Fresh water)	2.69 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.269 mg/kg
phenol CAS: 108-95-2 EC: 203-632-7	STP	2.1 mg/L	Fresh water	0.008 mg/L
	Soil	0.136 mg/kg	Marine water	0.001 mg/L
	Intermittent	0.031 mg/L	Sediment (Fresh water)	0.091 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.009 mg/kg

**8.2 Exposure controls:**



**A.- Individual protection measures, such as personal protective equipment**

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

**B.- Respiratory protection**

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	 CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

**C.- Specific protection for the hands**

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	NON-disposable chemical protective gloves	 CAT III	EN ISO 374-1:2016+A1:2018 EN 16523-1:2015+A1:2018 EN ISO 21420:2020	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.



As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

**D.- Eye and face protection**





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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Face shield		EN 166:2002 UNE-EN ISO 18526-1 al 4:2020 UNE-EN ISO 18526-1 al 4:2020 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

**E.- Body protection**

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks		EN 13034:2005+A1:2009 UNE-EN ISO 18526-1 al 4:2020 EN ISO 13982-1:2005/A1:2011 EN ISO 6529:2013 EN ISO 6530:2005 EN 464:1995	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk		EN ISO 20345:2022 EN 13832-1:2019	Replace boots at any sign of deterioration.

**F.- Additional emergency measures**

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0.47 % weight
V.O.C. density at 20 °C:	5.3 kg/m <sup>3</sup> (5.3 g/L)
Average carbon number:	8.91
Average molecular weight:	130.14 g/mol

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

Physical state at 20 °C:	Liquid
Appearance:	Characteristic
Colour:	Characteristic
Odour:	Characteristic
Odour threshold:	Not relevant *

**Volatility:**

Boiling point at atmospheric pressure:	58 - 358 °C
Vapour pressure at 20 °C:	56 Pa
Vapour pressure at 50 °C:	423.74 Pa (0.42 kPa)
Evaporation rate at 20 °C:	Not relevant *

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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**14014-B - Rocathaan Filler GF-400 - Base**
**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**
**Product description:**

Density at 20 °C:	1117 kg/m <sup>3</sup>
Relative density at 20 °C:	1.117
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

**Flammability:**

Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	275 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

**Particle characteristics:**

Median equivalent diameter:	Non-applicable
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**9.2 Other information:**
**Information with regard to physical hazard classes:**

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

**Other safety characteristics:**

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

\*Not relevant due to the nature of the product, not providing information property of its hazards.

**SECTION 10: STABILITY AND REACTIVITY**
**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

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### SECTION 10: STABILITY AND REACTIVITY (continued)

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

#### 10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

#### 10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

### SECTION 11: TOXICOLOGICAL INFORMATION

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

The experimental information related to the toxicological properties of the product itself is not available

##### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

##### A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

##### B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

##### C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

##### D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with carcinogenic effects. For more information see section 3.  
IARC: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (3); Zeolites (3); phenol (3); Titanium dioxide (aerodynamic diameter ≤ 10 µm) (2B)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Suspected of damaging fertility or the unborn child

##### E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

##### F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

##### G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

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**14014-B - Rocathaan Filler GF-400 - Base**

**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**Other information:**

CAS 13463-67-7 Titanium dioxide (aerodynamic diameter  $\leq 10 \mu\text{m}$ ): 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  $\leq 10 \mu\text{m}$

**Specific toxicology information on the substances:**

Identification	Acute toxicity		Genus
Reaction mass of 2-ethylpropane-1,3-diol and 5-ethyl-1,3-dioxane-5-methanol and propylidynetrimethanol CAS: Non-applicable EC: 904-153-2	LD50 oral	>2000 mg/kg	
	LD50 dermal	>10000 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
Diethylmethylbenzenediamine CAS: 68479-98-1 EC: 270-877-4	LD50 oral	598 mg/kg (ATEi)	Rat
	LD50 dermal	1100 mg/kg (ATEi)	Rat
	LC50 inhalation	>20 mg/L	
1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol CAS: 102-60-3 EC: 203-041-4	LD50 oral	>2000 mg/kg	
	LD50 dermal	>2000 mg/kg	
	LC50 inhalation	>20 mg/L	
Titanium dioxide (aerodynamic diameter $\leq 10 \mu\text{m}$ ) CAS: 13463-67-7 EC: 236-675-5	LD50 oral	10000 mg/kg	Rat
	LD50 dermal	10000 mg/kg	Rabbit
	LC50 inhalation	>5 mg/L	
3-aminopropyltriethoxysilane CAS: 919-30-2 EC: 213-048-4	LD50 oral	1491 mg/kg	Rat
	LD50 dermal	4000 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
4-morpholinecarbaldehyde CAS: 4394-85-8 EC: 224-518-3	LD50 oral	7475 mg/kg	Rat
	LD50 dermal	18400 mg/kg	Rabbit
	LC50 inhalation	>5 mg/L	
phenol CAS: 108-95-2 EC: 203-632-7	LD50 oral	282 mg/kg	Mouse
	LD50 dermal	660 mg/kg	Rat
	LC50 inhalation	>5 mg/L	

**11.2 Information on other hazards:**

**Endocrine disrupting properties**

Endocrine-disrupting properties: The product does not meet the criteria.

**Other information**

Not relevant

**SECTION 12: ECOLOGICAL INFORMATION**

The experimental information related to the eco-toxicological properties of the product itself is not available

Toxic to aquatic life with long lasting effects.

**12.1 Toxicity:**

**Acute toxicity:**

Identification	Concentration		Species	Genus
Reaction mass of 2-ethylpropane-1,3-diol and 5-ethyl-1,3-dioxane-5-methanol and propylidynetrimethanol CAS: Non-applicable EC: 904-153-2	LC50	>10000 mg/L (96 h)	N/A	Fish
	EC50	>100 mg/L (48 h)	Daphnia sp.	Crustacean
	EC50	>100 mg/L (72 h)	N/A	Algae
Diethylmethylbenzenediamine CAS: 68479-98-1 EC: 270-877-4	LC50	194 mg/L (48 h)	Leuciscus idus	Fish
	EC50	0.5 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Not relevant		

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**14014-B - Rocathaan Filler GF-400 - Base**

**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Identification	Concentration	Species	Genus
1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol CAS: 102-60-3 EC: 203-041-4	LC50 4600 mg/L (96 h) EC50 Not relevant EC50 150 mg/L (72 h)	Leuciscus idus  Desmodesmus subspicatus	Fish  Algae
4-morpholinecarbaldehyde CAS: 4394-85-8 EC: 224-518-3	LC50 500 mg/L (96 h) EC50 Not relevant EC50 23880 mg/L (72 h)	Leuciscus idus  Desmodesmus subspicatus	Fish  Algae

**Chronic toxicity:**

Identification	Concentration	Species	Genus
1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol CAS: 102-60-3 EC: 203-041-4	NOEC Not relevant NOEC 10 mg/L	 Daphnia magna	 Crustacean
4-morpholinecarbaldehyde CAS: 4394-85-8 EC: 224-518-3	NOEC 1 mg/L NOEC 1 mg/L	N/A Daphnia magna	Fish Crustacean
phenol CAS: 108-95-2 EC: 203-632-7	NOEC 0.077 mg/L NOEC 0.16 mg/L	Cirrhina mrigala Daphnia magna	Fish Crustacean

**12.2 Persistence and degradability:**

**Substance-specific information:**

Identification	Degradability	Biodegradability
Reaction mass of 2-ethylpropane-1,3-diol and 5-ethyl-1,3-dioxane-5-methanol and propylidynetrimethanol CAS: Non-applicable EC: 904-153-2	BOD5 Not relevant COD Not relevant BOD5/COD Not relevant	Concentration Not relevant Period 28 days % Biodegradable 84 %
1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol CAS: 102-60-3 EC: 203-041-4	BOD5 Not relevant COD Not relevant BOD5/COD Not relevant	Concentration 107 mg/L Period 28 days % Biodegradable 36 %
3-aminopropyltriethoxysilane CAS: 919-30-2 EC: 213-048-4	BOD5 Not relevant COD Not relevant BOD5/COD Not relevant	Concentration Not relevant Period 28 days % Biodegradable 67 %
4-morpholinecarbaldehyde CAS: 4394-85-8 EC: 224-518-3	BOD5 Not relevant COD Not relevant BOD5/COD Not relevant	Concentration 100 mg/L Period 30 days % Biodegradable 100 %
phenol CAS: 108-95-2 EC: 203-632-7	BOD5 1.68 g O2/g COD 2.33 g O2/g BOD5/COD 0.72	Concentration 100 mg/L Period 14 days % Biodegradable 85 %

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

Identification	Biaccumulation potential
Reaction mass of 2-ethylpropane-1,3-diol and 5-ethyl-1,3-dioxane-5-methanol and propylidynetrimethanol CAS: Non-applicable EC: 904-153-2	BCF Pow Log 8 Potential
4-morpholinecarbaldehyde CAS: 4394-85-8 EC: 224-518-3	BCF 1 Pow Log -1.2 Potential Low
phenol CAS: 108-95-2 EC: 203-632-7	BCF 17 Pow Log 1.48 Potential Low

**12.4 Mobility in soil:**

Identification	Absorption/desorption	Volatility
4-morpholinecarbaldehyde CAS: 4394-85-8 EC: 224-518-3	Koc 1 Conclusion Very High Surface tension Not relevant	Henry 2.302E-3 Pa·m³/mol Dry soil No Moist soil No

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## 14014-B - Rocathaan Filler GF-400 - Base

### SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
phenol	Koc	50	Henry	2.2E-2 Pa·m <sup>3</sup> /mol
CAS: 108-95-2	Conclusion	Very High	Dry soil	Yes
EC: 203-632-7	Surface tension	1.847E-2 N/m (231.01 °C)	Moist soil	Yes

#### 12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

#### 12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

#### 12.7 Other adverse effects:

Not described

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances	Hazardous

#### Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP10 Toxic for reproduction

#### Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC, The Waste Regulations 2011, 2011 No. 988). As under 15 01 (2014/955/EU) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

#### Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

### SECTION 14: TRANSPORT INFORMATION

#### Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:



**14.1 UN number or ID number:** UN3082

**14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diethylmethybenzenediamine)

**14.3 Transport hazard class (es):** 9

Labels: 9

**14.4 Packing group:** III

**14.5 Environmental hazards:** Yes

#### 14.6 Special precautions for user

Special regulations: 274, 335, 375, 601

Tunnel restriction code: -

Physico-Chemical properties: see section 9

Limited quantities: 5 L

**14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

#### Transport of dangerous goods by sea:

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**14014-B - Rocathaan Filler GF-400 - Base**

**SECTION 14: TRANSPORT INFORMATION (continued)**

With regard to IMDG 41-22:



**14.1 UN number or ID number:** UN3082

**14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diethylmethylbenzenediamine)

**14.3 Transport hazard class (es):** 9

Labels: 9

**14.4 Packing group:** III

**14.5 Marine pollutant:** Yes

**14.6 Special precautions for user**

Special regulations: 335, 969, 274

EmS Codes: F-A, S-F

Physico-Chemical properties: see section 9

Limited quantities: 5 L

Segregation group: Not relevant

**14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2024:



**14.1 UN number or ID number:** UN3082

**14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diethylmethylbenzenediamine)

**14.3 Transport hazard class (es):** 9

Labels: 9

**14.4 Packing group:** III

**14.5 Environmental hazards:** Yes

**14.6 Special precautions for user**

Physico-Chemical properties: see section 9

**14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

**SECTION 15: REGULATORY INFORMATION**

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

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

**Seveso III:**

Section	Description	Lower-tier requirements	Upper-tier requirements
E2	ENVIRONMENTAL HAZARDS	200	500

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

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**SECTION 15: REGULATORY INFORMATION (continued)**

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
  - tricks and jokes,
  - games for one or more participants, or any article intended to be used as such, even with ornamental aspects.
- Contains Octamethylcyclotetrasiloxane. 1. | Shall not be placed on the market in wash-off cosmetic products in a concentration equal to or greater than 0,1 % by weight of either substance, after 31 January 2020. | 2. | For the purposes of this entry, "wash-off cosmetic products" means cosmetic products as defined in Article 2(1)(a) of Regulation (EC) No 1223/2009 that, under normal conditions of use, are washed off with water after application.

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009), SI 2009 No 1348  
 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations 2011, 2011 No. 1885  
 Control of Substances Hazardous to Health Regulations 2002 (as amended)  
 EH40/2005 Workplace exposure limits  
 The Waste Regulations 2011, 2011 No. 988

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

**SECTION 16: OTHER INFORMATION**
**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878)

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

Not relevant

**Texts of the legislative phrases mentioned in section 2:**

H319: Causes serious eye irritation.  
 H361: Suspected of damaging fertility or the unborn child.  
 H411: Toxic to aquatic life with long lasting effects.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.  
 Acute Tox. 4: H302 - Harmful if swallowed.  
 Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin.  
 Aquatic Acute 1: H400 - Very toxic to aquatic life.  
 Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.  
 Carc. 2: H351 - Suspected of causing cancer (Inhalation).  
 Eye Dam. 1: H318 - Causes serious eye damage.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Muta. 2: H341 - Suspected of causing genetic defects.  
 Repr. 2: H361 - Suspected of damaging fertility or the unborn child.  
 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  
 Skin Sens. 1: H317 - May cause an allergic skin reaction.  
 Skin Sens. 1B: H317 - May cause an allergic skin reaction.  
 STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.

**Classification procedure:**

Eye Irrit. 2: Calculation method  
 Repr. 2: Calculation method  
 Aquatic Chronic 2: Calculation method

**Advice related to training:**

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**14014-B - Rocathaan Filler GF-400 - Base****SECTION 16: OTHER INFORMATION (continued)**

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://echa.europa.eu>  
<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road  
IMDG: International maritime dangerous goods code  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
COD: Chemical Oxygen Demand  
BOD5: 5day biochemical oxygen demand  
BCF: Bioconcentration factor  
LD50: Lethal Dose 50  
LC50: Lethal Concentration 50  
EC50: Effective concentration 50  
LogPOW: Octanolwater partition coefficient  
Koc: Partition coefficient of organic carbon  
UFI: unique formula identifier  
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -