



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2024

Version number 6 (replaces version 5)

Revision: 27.02.2024

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

· 1.1 Product identifier

· Trade name **Okapox SPG Komponente B**

· Article number: **60456**

· UFI: **VD12-Q052-6007-0C4W**

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

· Sector of Use **SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)**

· Application of the substance / the mixture

**Hardening agent/ Curing agent**

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier: **Kiesel Bauchemie GmbH & Co. KG  
Wolf-Hirth-Str. 2**

**D-73730 Esslingen**

**Tel.:+49(0)711/93134-0**

**Fax:+49(0)711/93143-140**

**E-Mail: sida@kiesel.com**

· Informing department:

**Laboratory, departments of environmental protection and labor protection**

· 1.4 Emergency telephone number:

**Poison Information Center Freiburg Tel.: +49(0)761/ 19240  
(24h German and English)**

### SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

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



**GHS05 corrosion**

**Skin Corr. 1B**

**H314 Causes severe skin burns and eye damage.**

**Eye Dam. 1**

**H318 Causes serious eye damage.**



**GHS07**

**Skin Sens. 1**

**H317 May cause an allergic skin reaction.**

**Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.**

· 2.2 Label elements

· Labelling according to

**Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.**

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· Hazard pictograms



GHS05 GHS07

· Signal word

**Danger**

· Hazard-determining components of labelling:

**Polyoxypropylendiamin**  
**3-aminomethyl-3,5,5-trimethylcyclohexylamine**  
**1,3-Benzoldimethanamin**  
**phenol, styrenated**

· Hazard statements

**H314 Causes severe skin burns and eye damage.**  
**H317 May cause an allergic skin reaction.**

· Precautionary statements

**H412 Harmful to aquatic life with long lasting effects.**  
**P102 Keep out of reach of children.**  
**P260 Do not breathe dusts or mists.**  
**P280 Wear protective gloves / eye protection / face protection.**  
**P302+P352 IF ON SKIN: Wash with plenty of water.**  
**P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.**  
**P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**  
**P405 Store locked up.**  
**P501 Dispose of contents/container in accordance with local/regional/national/international regulations.**

· Additional information:

**EUH205 Contains epoxy constituents. May produce an allergic reaction.**

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT: **Not applicable.**

· vPvB: **Not applicable.**

· Determination of endocrine-disrupting properties

CAS: 61788-44-1 phenol, styrenated

List II

EU

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

· 3.2 Mixtures

· Dangerous components:

CAS: 9046-10-0	Polyoxypropylendiamin ⚠ Skin Corr. 1C, H314 ⚠ Aquatic Chronic 3, H412	≥25-≤100%
CAS: 1477-55-0	1,3-Benzoldimethanamin ⚠ Acute Tox. 3, H331 ⚠ Skin Corr. 1B, H314 ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317 ⚠ Aquatic Chronic 3, H412	≥10-<25%
CAS: 2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1A, H317 ATE: LD50 oral: 1,030 mg/kg Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %	≥10-<50%
CAS: 61788-44-1	phenol, styrenated ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1A, H317	≥10-<25%

· Additional information

For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

· 4.1 Description of first aid measures

· General information

Immediately remove contaminated clothing.

If you feel unwell, seek medical advice.

· After inhalation

Provide plenty of fresh air.

In case of unconsciousness bring patient into stable side position for transport.

Seek medical treatment in case of complaints.

· After skin contact

Instantly wash with water and soap and rinse thoroughly.

· After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor.

· After swallowing

Drink copious amounts of water and provide fresh air. Instantly call for doctor.

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

No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.  
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**  
Formation of poisonous gases during heating or in fires.  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear non-circulation breathing equipment and chemical-protective clothing. Do not inhale explosion gases or fire fumes.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Put on breathing apparatus.
- **6.2 Environmental precautions:** Inform respective authorities in case product reaches water or sewage system.  
Dilute with much water.
- **6.3 Methods and material for containment and cleaning up:** Take-up with liquid binding material (sand, diatomaceous earth, acid binding agent, universal binding agent).  
Use neutralising agent.  
Dispose of contaminated material as waste according to item 13.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

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### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
*Do not leave the container standing open.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.*
- **Information about protection against explosions and fires:** *Keep breathing equipment ready.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** *No special requirements.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:** *Keep container tightly sealed.*
- **Storage class** *8 A*
- **7.3 Specific end use(s)** *No further relevant information available.*

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:**
- **Additional information:** *The lists that were valid during the compilation were used as basis.*
- **8.2 Exposure controls**
- **Appropriate engineering controls** *No further data; see section 7.*
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**  
*Keep away from foodstuffs, beverages and food.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.*
- **Breathing equipment:** *In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.*
- **Hand protection**  
*Protective gloves.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*
- **Penetration time of glove material**  
*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

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· Eye/face protection Tightly sealed safety glasses.

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### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

· Physical state	Fluid
· Colour:	pale yellow
· Smell:	Amine-like
· Odour threshold:	Not determined.
· Melting point/freezing point:	Not determined
· Boiling point or initial boiling point and boiling range	260 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	110 °C
· Auto-ignition temperature:	230 °C
· Decomposition temperature:	Not determined.
· pH	Mixture is non-soluble (in water).
· Viscosity:	
· Kinematic viscosity	Not determined.
· dynamic at 20 °C:	100-200 mPas
· Solubility	
· Water:	Fully miscible
· Partition coefficient n-octanol/water (log value)	Not determined.
· Steam pressure at 25 °C:	~ 0 hPa (CAS: 1477-55-0 1,3-Benzoldimethanamin)
· Density and/or relative density	
· Density at 20 °C	1.02 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.

#### · 9.2 Other information

· Appearance:	
· Form:	Fluid
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.
· Solvent content:	
· Solids content:	10-<25 %
· Volatile Organic Compounds	0.0 g/l 0.00 %
· Change in condition	
· Evaporation rate	Not determined.

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- Information with regard to physical hazard classes
- Explosives Void
- Flammable gases Void
- Aerosols Void
- Oxidising gases Void
- Gases under pressure Void
- Flammable liquids Void
- Flammable solids Void
- Self-reactive substances and mixtures Void
- Pyrophoric liquids Void
- Pyrophoric solids Void
- Self-heating substances and mixtures Void
- Substances and mixtures, which emit flammable gases in contact with water Void
- Oxidising liquids Void
- Oxidising solids Void
- Organic peroxides Void
- Corrosive to metals Void
- Desensitised explosives Void

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity No further relevant information available.
- 10.3 Possibility of hazardous reactions No dangerous reactions known
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: None known.

**SECTION 11: Toxicological information**

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:

CAS: 1477-55-0 1,3-Benzoldimethanamin

Oral	LD50	1,180 mg/kg (mouse)
		2,000 mg/kg (Rabbit)

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<b>Dermal</b>	<b>LD50</b>	980 mg/kg (Rat) >3,100 mg/kg (Rat) Symptome: Bei dieser Konzentration ist es nicht zu Todesfällen gekommen. Bewertung: Der Stoff oder das Gemisch besitzt keine akute dermale Toxizität
<b>Inhalative</b>	<b>LC50/4 h</b>	2.4 mg/l (Ratte, weiblich) 1.34 mg/l (Rat)
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
<b>Oral</b>	<b>LD50</b>	1,030 mg/kg (ATE) 1,030 mg/kg (Rat)
<b>Inhalative</b>	<b>LC50/4 h</b>	>5.01 mg/l (Rat)
CAS: 61788-44-1 phenol, styrenated		
<b>Oral</b>	<b>LD50</b>	>2,000 mg/kg (Rat)
<b>Dermal</b>	<b>LD50</b>	>7,000 mg/kg (Rabbit)

- **Skin corrosion/irritation** Causes severe skin burns and eye damage.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **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**

- **Endocrine disrupting properties**

CAS: 61788-44-1 phenol, styrenated

List II

**SECTION 12: Ecological information**

- **12.1 Toxicity**

- **Aquatic toxicity:**

CAS: 9046-10-0 Polyoxypropylendiamin

LC 50 (96h) >220 mg/l (Goldorfe ( Leuciscus idus))

CAS: 1477-55-0 1,3-Benzoldimethanamin

LC 50 (96h) 75 mg/l (Goldorfe ( Leuciscus idus))

EC50 (48h) (static) 48 mg/l ((Wasserfloh (Daphnia magna)))

EC50 (72h) 12 mg/l (Alge Scenedesmus sp)

CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Oral EbC50 (72h) 37 mg/l (Alge Scenedesmus sp)

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LC 50 (96h)	110 mg/l (Goldorfe ( <i>Leuciscus idus</i> ))
EC50 (48h)	23 mg/l ((Wasserfloh ( <i>Daphnia magna</i> )))
EC10 ( 18h)	1,120 mg/l (Bakterien)

- 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
- PBT: **Not applicable.**
- vPvB: **Not applicable.**
- 12.6 Endocrine disrupting properties **For information on endocrine disrupting properties see section 11.**
- 12.7 Other adverse effects
- Remark: **Harmful to fish**
- Additional ecological information:
- General notes: **Water hazard class 2 (Self-assessment): hazardous for water. Do not allow product to reach ground water, water bodies or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralised. Danger to drinking water if even small quantities leak into soil. Harmful to aquatic organisms**

**SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods
- Recommendation **Disposal according to official regulations**
- Uncleaned packagings:
- Recommendation: **Disposal must be made according to official regulations.**
- Recommended cleaning agent: **Water, if necessary with cleaning agent.**

**SECTION 14: Transport information**

- 14.1 UN number or ID number
- ADR, IMDG, IATA **UN2735**
- 14.2 UN proper shipping name
- ADR **2735 AMINES, LIQUID, CORROSIVE, N.O.S. ( Polyoxypropylendiamin, m-phenylenebis(methylamine))**

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· <b>IMDG, IATA</b>	<b>AMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylendiamin, m-phenylenebis(methylamine))</b>
· <b>14.3 Transport hazard class(es)</b> · <b>ADR, IMDG, IATA</b>	
	
· <b>Class</b> · <b>Label</b>	<b>8 Corrosive substances. 8</b>
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	<b>II</b>
· <b>14.5 Environmental hazards:</b>	<b>Not applicable.</b>
· <b>14.6 Special precautions for user</b> · <b>Kemler Number:</b> · <b>EMS Number:</b> · <b>Segregation groups</b> · <b>Stowage Category</b> · <b>Segregation Code</b>	<b>Warning: Corrosive substances. 80 F-A,S-B (SGG18) Alkalis A SG35 Stow "separated from" SGG1-acids</b>
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	<b>Not applicable.</b>
· <b>Transport/Additional information:</b>	
· <b>ADR</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	<b>1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</b>
· <b>Transport category</b> · <b>Tunnel restriction code</b>	<b>2 E</b>
· <b>IMDG</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	<b>1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</b>

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- UN "Model Regulation": UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (POLYOXYPROPYLENDIAMIN, M-PHENYLENEBIS(METHYLAMINE)), 8, II

### SECTION 15: Regulatory information

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

- Directive 2012/18/EU

- Named dangerous substances - ANNEX I

None of the ingredients are included

- REGULATION (EC) No 1907/2006 ANNEX XVII

Conditions of restriction: 3

- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

- REGULATION (EU) 2019/1148

- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

- Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

- Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

- National regulations

- Information about limitation of use:

Employment restrictions concerning young persons must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

- 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. It does not constitute a legal warranty regulations. The delivery specifications are contained in the corresponding product sheet. This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

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- **Date of previous version:** 01.02.2024
  - **Version number of previous version:** 5
  - **Abbreviations and acronyms:** *ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*  
*IMDG: International Maritime Code for Dangerous Goods*  
*IATA: International Air Transport Association*  
*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*  
*EINECS: European Inventory of Existing Commercial Chemical Substances*  
*ELINCS: European List of Notified Chemical Substances*  
*CAS: Chemical Abstracts Service (division of the American Chemical Society)*  
*LC50: Lethal concentration, 50 percent*  
*LD50: Lethal dose, 50 percent*  
*PBT: Persistent, Bioaccumulative and Toxic*  
*vPvB: very Persistent and very Bioaccumulative*  
*ATE: Acute toxicity estimate values*  
*Acute Tox. 4: Acute toxicity – Category 4*  
*Acute Tox. 3: Acute toxicity – Category 3*  
*Skin Corr. 1B: Skin corrosion/irritation – Category 1B*  
*Skin Corr. 1C: Skin corrosion/irritation – Category 1C*  
*Skin Irrit. 2: Skin corrosion/irritation – Category 2*  
*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*  
*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*  
*Skin Sens. 1: Skin sensitisation – Category 1*  
*Skin Sens. 1A: Skin sensitisation – Category 1A*  
*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*  
*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*
- **\* Data compared to the previous version altered.**
- **Comment**

*The information is based on our knowledge we do have so far. However it is not a confirmation of product features and does not establish contractual legal relationship. Use, operation and processing are the responsibility of the customer.*