



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2024

Version number 11 (replaces version 10)

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 A**

· UFI: **0F12-60UF-G00Q-PPQY**

· 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 **Priming**

· 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



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

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

· 2.2 Label elements

· Labelling according to

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

· Hazard pictograms



GHS07 GHS09

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· Signal word	Warning
· Hazard-determining components of labelling:	bis[4-(2,3-epoxypropoxy)phenyl]propane C12-C14 aliphatic glycidyl ethers
· Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.
· Precautionary statements	P102 Keep out of reach of children. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor// P302+P352 IF ON SKIN: Wash with plenty of water/savon P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Dangerous components:

CAS: 1675-54-3	bis[4-(2,3-epoxypropoxy)phenyl]propane ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	≥50-≤100%
CAS: 68609-97-2	C12-C14 aliphatic glycidyl ethers ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≥10-<50%

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

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SECTION 4: First aid measures

· 4.1 Description of first aid measures

- General information
- After inhalation

If you feel unwell, seek medical advice.

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
- After eye contact

Instantly wash with water and soap and rinse thoroughly.

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

- After swallowing

In case of persistent symptoms consult doctor.

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

No further relevant information available.

- 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 *CO₂, 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.

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- **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). 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.*

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** *10*
- **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 and skin.*

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- **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.*
- **Eye/face protection** *Safety glasses recommended during refilling.*

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **Physical state** *Fluid*
- **Colour:** *Colourless*
- **Smell:** *Characteristic*
- **Odour threshold:** *Not determined.*
- **Melting point/freezing point:** *Not determined*
- **Boiling point or initial boiling point and boiling range** *Not applicable.*
- **Flammability** *Not determined.*
- **Lower and upper explosion limit** *Not determined.*
- **Lower:** *Not determined.*
- **Upper:** *>146 °C*
- **Flash point:** *460 °C*
- **Auto-ignition temperature:** *Not determined.*
- **Decomposition temperature:** *Mixture is non-soluble (in water).*
- **pH** *Not determined.*
- **Viscosity:** *10,000-13,000 mPas*
- **Kinematic viscosity** *Fully miscible*
- **dynamic at 20 °C:** *Not determined.*
- **Solubility** *4 hPa (CAS: 1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane)*
- **Water:** *Not determined.*
- **Partition coefficient n-octanol/water (log value)** *1.1 g/cm³*
- **Steam pressure at 20 °C:** *Not determined.*
- **Density and/or relative density** *Not determined.*
- **Density at 20 °C** *Not determined.*
- **Relative density** *Not determined.*
- **Vapour density** *Not determined.*

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· 9.2 Other information

· **Appearance:**

· **Form:**

Fluid

· **Self-inflammability:**

Product is not selfigniting.

· **Explosive properties:**

Product is not explosive.

· **Solvent content:**

· **Solids content:**

0.0 %

· **Volatile Organic Compounds**

0.0 g/l

0.00 %

· **Molecular weight**

312.37 g/mol

· **Change in condition**

· **Evaporation rate**

Not determined.

· **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.

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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: 68609-97-2 C12-C14 aliphatic glycidyl ethers

Oral LD50 >10,000 mg/kg (Rat)

- Skin corrosion/irritation **Causes skin irritation.**
- Serious eye damage/irritation **Causes serious eye irritation.**
- 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

None of the ingredients is listed.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

CAS: 1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

LC 50 (96h)

1-10 mg/l (Fisch)

This substance is toxic to aquatic organisms (LC50/EC50/IC50 between 1 and 10 mg/l for the most sensitive species).

2 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

EC50 (48h) (static)

1.8 mg/l (Dap)

- 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 **The product does not contain substances with endocrine disrupting properties.**
- 12.7 Other adverse effects
- Remark: **Toxic for fish**

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· **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. Danger to drinking water if even small quantities leak into soil. Also poisonous for fish and plankton in water bodies. Toxic for 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**

UN3082

· **14.2 UN proper shipping name**

· **ADR**

**3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin)
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy resin)**

· **IMDG, IATA**

· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**



· **Class**

9 Miscellaneous dangerous substances and articles.

· **Label**

9

· **14.4 Packing group**

· **ADR, IMDG, IATA**

III

· **14.5 Environmental hazards:**

· **Marine pollutant:**

Symbol (fish and tree)

· **Special marking (ADR):**

Symbol (fish and tree)

· **Special marking (IATA):**

Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

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· Kemler Number:	90
· EMS Number:	F-A,S-F
· Stowage Category	A
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	(-)
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· Remarks:	Special Provision 375
· UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN), 9, III

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
· Seveso category	E2 Hazardous to the Aquatic Environment
· Qualifying quantity (tonnes) for the application of lower-tier requirements	200 t
· Qualifying quantity (tonnes) for the application of upper-tier requirements	500 t

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· **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.

· **Date of previous version:** 22.08.2023

· **Version number of previous version:**

10

· **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

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LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

- * *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.