

Safety Data Sheet

according to HPR, Schedule 1

Date of issue 10/05/2026

Version number 3

Revision: 10/05/2026

1 Identification

- **Product identifier**
- **Trade name:** Okapox GF Komp. A
- **Other means of identification**
- **Application of the substance / the mixture** **Priming**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** **Kiesel Bauchemie GmbH & Co. KG**
Wolf-Hirth-Str. 2
D-73730 Esslingen
Germany
E-Mail:
info.canada@cemex.com
info.usa@cemex.com
- **Information department:** **Laboratory, departments of environmental protection and labor protection**
- **Emergency telephone number:** **ChemTel Expert Assistance Hotline 800-255-2824**

2 Hazard identification

- **Classification of the substance or mixture**


GHS07
Skin Irritation - Category 2
H315 Causes skin irritation.
Eye damage/irritation – Category 2A **H319 Causes serious eye irritation.**
Sensitization - skin – Category 1 **H317 May cause an allergic skin reaction.**

- **Additional information:** **The full text of the classification and labeling elements mentioned is given in Section 16.**

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**


GHS07

- **Signal word**

Warning

- **Hazard-determining components of labeling:**

4,4'-Methylen diphenyldiglycidylether
Fettsäuren, C16-C18 ungesättigt, methylester, epoxidiert
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.

- **Hazard statements**

Keep out of reach of children.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.

- **Precautionary statements**

Wear protective gloves / eye protection / face protection.
IF ON SKIN: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

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Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see on this label).

If eye irritation persists: Get medical advice/attention.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- Information pertaining to particular dangers for man and environment:
- Classification system:
- NFPA ratings (scale 0 - 4)



Health = 2
Fire = 1
Reactivity = 0

- HMIS-ratings (scale 0 - 4)



Health = 2
Fire = 1
Reactivity = 0

3 Composition/Information on ingredients

- Composition/Information on ingredients
- Chemical characterization: Mixtures
- Dangerous components:

CAS: 1675-54-3	4,4'-Methylen diphenyldiglycidylether ⚠ Skin Irritation - Category 2, H315; Eye damage/irritation – Category 2A, H319; Sensitization - skin – Category 1, H317	≥45-≤100% w/w *
CAS: 158318-67-3	Fettsäuren, C16-C18 ungesättigt, methylester, epoxidiert ⚠ Acute Toxicity (Oral) - Category 4, H302; Sensitization - skin – Category 1B, H317	≥10-≤30% w/w *

- Additional information:

* Actual concentration ranges are withheld as a trade secret.
For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

- Description of first aid measures

- General information: Immediately remove any clothing soiled by the product.
If you feel unwell, seek medical advice.
- After inhalation: Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
Seek medical treatment in case of complaints.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.

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- **Most important symptoms and effects, both acute and delayed** **No further relevant information available.**
- **Indication of any immediate medical attention and special treatment needed** **No further relevant information available.**

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** **CO₂, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.**
- **For safety reasons unsuitable extinguishing agents:** **Use fire fighting measures that suit the environment.**
- **Special hazards arising from the substance or mixture** **Water with full jet**
- **Advice for firefighters** **During heating or in case of fire poisonous gases are produced.**
- **Protective equipment:** **No further relevant information available.**
- **Wear non-circulation breathing equipment and chemical-protective clothing. Do not inhale explosion gases or fire fumes.**

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** **Not required**
- **Environmental precautions:** **Dilute with plenty of water.**
- **Methods and material for containment and cleaning up:** **Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).**
- **Reference to other sections** **Dispose contaminated material as waste according to section 13.**
- **See Section 7 for information on safe handling.**
- **See Section 8 for information on personal protection equipment.**
- **See Section 13 for disposal information.**

7 Handling and storage

- **Precautions for safe handling** **Keep receptacles tightly sealed.**
- **Information about protection against explosions and fires:** **Ensure good ventilation/exhaustion at the workplace.**
- **No special measures required.**

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- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/ Personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Personal protective equipment:**
- **General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Breathing equipment:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:** 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 protection:** Goggles recommended during refilling.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **Physical state** Liquid
- **Color:** Colorless
- **Odor:** Characteristic
- **Odor threshold:** Not determined
- **Melting point/Melting range:** undetermined
- **Boiling point/Boiling range:** Undetermined
- **Flammability:** Not applicable
- **Explosion limits:**
- **Lower:** Not determined

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· Upper:	Not determined
· Flash point:	>146 °C
· Auto igniting:	460 °C
· Decomposition temperature:	
	Not determined
· pH-value:	Mixture is non-soluble (in water).
· Viscosity:	
· Kinematic:	Not determined
· Dynamic at 20 °C:	10,000-13,000 mPas
· Solubility in / Miscibility with	
· Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined
· Vapor pressure at 20 °C:	4 hPa
· Vapor pressure:	
· Density at 20 °C:	1.1 g/cm ³
· Relative density	Not determined
· Vapor density	Not determined
· Particle characteristics	Not applicable
· Other information	
· Appearance:	
· Form:	Fluid
· AUTO IGNITION:	Not self igniting
· Danger of explosion:	Product does not present an explosion hazard.
· Solvent content:	
· VOC-Content	0.00 %
	0.0 g/l / 0.00 lb/gal
· Solids content:	0.0 %
· Volatile Organic Compounds	0.0 g/l
	0.00 %
· Change in condition	
· Evaporation rate	Not determined

10 Stability and reactivity

· Reactivity	No further relevant information available.
· Chemical stability	
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
· Possibility of hazardous reactions	No dangerous reactions known.
· Conditions to avoid	No further relevant information available.
· Incompatible materials:	No further relevant information available.
· Hazardous decomposition products:	No dangerous decomposition products known.

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11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

CAS: 158318-67-3 Fettsäuren, C16-C18 ungesättigt, methylester, epoxidiert

Oral LD50 2,000 mg/kg (Rat)

· Primary irritant effect:

· on the skin:

Irritant to skin and mucous membranes.

· on the eye:

Irritating effect.

· Sensitization:

Sensitization possible through skin contact.

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:
 Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

CAS: 1675-54-3 4,4'-Methylen diphenyldiglycidylether

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· NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

· Toxicity

· Aquatic toxicity:

CAS: 1675-54-3 4,4'-Methylen diphenyldiglycidylether

LC 50 (96h)

1-10 mg/l (Fisch)

Diese Substanz ist giftig für Wasserorganismen (LC50/EC50/IC50 zwischen 1 und 10 mg/l für die empfindlichste Spezies).

2 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

EC50 (48h) (static)

1.8 mg/l (Dap)

· Persistence and degradability No further relevant information available.

· Bioaccumulative potential No further relevant information available.

· Mobility in soil No further relevant information available.

· Results of PBT and vPvB assessment

· PBT: Not applicable

· vPvB: Not applicable

· Other adverse effects

· Additional ecological information:

· General notes:

Water hazard class 2 (Self-assessment): hazardous for water
 Do not allow product to reach ground water, water course or sewage system.
 Danger to drinking water if even small quantities leak into the ground.

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13 Disposal considerations

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

14 Transport information

- | | |
|--|---|
| <ul style="list-style-type: none"> · UN-Number · DOT/TDG, ADR, IMDG, IATA | <p>UN3082</p> |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT/TDG · ADR · IMDG, IATA | <p><i>Environmentally hazardous substance, liquid, n.o.s.</i>
 3082 Environmentally hazardous substance, liquid, n.o.s.
 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.</p> |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT/TDG, IATA <div style="display: flex; align-items: center; margin-top: 10px;"> </div> | <p>9 Miscellaneous dangerous substances and articles
 9</p> |
| <ul style="list-style-type: none"> · ADR, IMDG <div style="display: flex; align-items: center; margin-top: 10px;"> </div> | <p>9 Miscellaneous dangerous substances and articles
 9</p> |
| <ul style="list-style-type: none"> · Packing group · DOT/TDG, ADR, IMDG, IATA | <p>III</p> |
| <ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: · Special marking (IATA): | <p><i>Product contains environmentally hazardous substances: Harz auf Basis Epichlorhydrin u. Bisphenol modifiziert mit aliph. Monoglycidylether</i>
 Yes (DOT)
 Symbol (fish and tree)</p> |
| <ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | <p>Not applicable</p> |

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· Transport/Additional information:	
· DOT/TDG · Remarks:	Special marking with the symbol (fish and tree).
· ADR · Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5 Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Remarks:	Special Provision 375
· Special precautions for user	Warning: Miscellaneous dangerous substances and articles
· Hazard identification number (Kemler code): · EMS Number:	90 F-A, S-
· UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. 9, III

15 Regulatory information

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

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

· MAK (German Maximum Workplace Concentration)

CAS: 1675-54-3 4,4'-Methylen diphenyldiglycidylether

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· Per- and polyfluoroalkyl substances (PFAS)

None of the ingredients is listed.

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



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· Signal word	Warning
· Hazard-determining components of labeling:	4,4'-Methylen diphenyldiglycidylether
· Hazard statements	Fettsäuren, C16-C18 ungesättigt, methylester, epoxidiert
· Precautionary statements	Causes skin irritation.
	Causes serious eye irritation.
	May cause an allergic skin reaction.
	Keep out of reach of children.
	Avoid breathing dust/fume/gas/mist/vapours/spray.
	Wash thoroughly after handling.
	Contaminated work clothing should not be allowed out of the workplace.
	Wear protective gloves / eye protection / face protection.
	IF ON SKIN: Wash with plenty of water.
	IF IN EYES: Rinse cautiously with water for several minutes.
	Remove contact lenses, if present and easy to do. Continue rinsing.
	Take off contaminated clothing and wash it before reuse.
	If skin irritation or rash occurs: Get medical advice/attention.
	Specific treatment (see on this label).
	If eye irritation persists: Get medical advice/attention.
	Dispose of contents/container in accordance with local/regional/national/international regulations.
· 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.
· Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

16 Other information

To the best of our knowledge, the information contained in this MSDS is accurate. It is intended to assist the user in his evaluation of the product's hazards, and safety precautions to be taken in its use. The data on this MSDS relate only to the specific material designated herein. We do not assume any liability for the use, or reliance in this information, nor do we guarantee its accuracy or completeness.

· Relevant phrases	H302 Harmful if swallowed.
	H315 Causes skin irritation.
	H317 May cause an allergic skin reaction.
	H319 Causes serious eye irritation.
· Date of previous version	02/24/2026
· Version number of previous version:	2
· Date of preparation	10/05/2026
· Abbreviations and acronyms:	IMDG: International Maritime Code for Dangerous Goods
	DOT: US Department of Transportation
	IATA: International Air Transport Association
	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)
	NFPA: National Fire Protection Association (USA)
	HMIS: Hazardous Materials Identification System (USA)

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VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

· * Data compared to the
previous version altered.

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