Safety Data Sheet
according to HPR, Schedule 1

Date of issue 10/01/2026 Version number 3 Revision: 10/01/2026

1 Identification

· Product identifier

· Trade name: Okamul DF

· 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 enviromental protection and labor protection

2 Hazard identification

· Classification of the substance or mixture: The product is not classified, according to the Globally Harmonized System (GHS).

· Label elements
· GHS label elements: Void
· Hazard pictograms: Void
· Signal word: Void
· Hazard statements: Void

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



Health = 0
Fire = 0
Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = *0
Fire = 0
Reactivity = 0

3 Composition/Information on ingredients

· Composition/Information on ingredients .
· Chemical characterization: Mixtures

· Dangerous components:

CAS: 1317-65-3	Calciumcarbonat Acute Toxicity (Inhalation) - Category 4, H332	80-100% w/w *
CAS: 14808-60-7	Quarz Consisting of: 14808-60-7 Quarz (>98%); 14808-60-7 Quarz (Feinfraktion) (1-10%) Carcinogenicity - Category 1A, H350	5-10% w/w *
CAS: 219756-63-5	Alkylether sulphate 7 EO Eye damage/irritation – Category 1, H318 Skin Irritation - Category 2, H315	0.5-1.5% w/w *

* Actual concentration ranges are withheld as a trade secret.

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

4 First-aid measures

· Description of first aid measures

· General information: No special measures required.
If you feel unwell, seek medical advice.
· After inhalation: Seek medical treatment in case of complaints.
· After skin contact: Immediately rinse with water.
· 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.
· 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.
Use fire fighting measures that suit the environment.
· For safety reasons unsuitable extinguishing agents: Water with full jet
· Special hazards arising from the substance or mixture: During heating or in case of fire poisonous gases are produced.
No further relevant information available.
· Advice for firefighters
· Protective equipment: 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: No special measures required.
· Methods and material for containment and cleaning up: Pick up mechanically.
· Reference to other sections: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7 Handling and storage

· Precautions for safe handling No special measures required.
· Information about protection against explosions and fires: No special measures required.

· 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: None.
· 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:	
CAS: 1317-65-3 Calciumcarbonat	
EL (Canada)	STEL: 20* mg/m³ TWA: 10* 3** mg/m³ *total dust;**respirable fraction
PEL (USA)	TWA: 15* 5** mg/m³ *total dust **respirable fraction
REL (USA)	TWA: 10* 5** mg/m³ *total dust **respirable fraction
TLV (USA)	TLV withdrawn
CAS: 14808-60-7 Quarz	
EL (Canada)	TWA: 0.025 mg/m³ ACGIH A2; IARC 1
EV (Canada)	TWA: 0.10* mg/m³ *respirable fraction
PEL (USA)	TWA: 0.05* mg/m³ *resp. dust; 30mg/m3/%SiO2+2
REL (USA)	TWA: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A
TLV (USA)	TWA: 0.025* mg/m³ *respirable particulate matter, A2

· 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.

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· Personal protective equipment:
· General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.
· Breathing equipment: Not necessary if room is well-ventilated.
Normally no personal respiratory protection required.
· Protection of hands: Not required
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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· Eye protection: Not required

*
9 Physical and chemical properties

· Information on basic physical and chemical properties

· Physical state	Solid
· Color:	Different according to coloring
· Odor:	schwach
· Odor threshold:	Not determined
· Melting point/Melting range:	~850 °C
· Boiling point/Boiling range:	100 °C nicht anwendbar
· Flammability:	Not determined
· Explosion limits:	
· Lower:	Not determined
· Upper:	Not determined
· Flash point:	Not applicable
· Decomposition temperature:	Not determined
· pH-value at 20 °C:	~9
· Viscosity:	
· Kinematic:	Not applicable
· Dynamic at 20 °C:	13,000 mPas
· Solubility in / Miscibility with	
· Water:	Soluble.
· Partition coefficient (n-octanol/water):	Not determined
· Vapor pressure:	Not applicable
· Vapor pressure:	
· Density at 20 °C:	1.5 g/cm³
· Relative density	Not determined
· Bulk density:	1,000-1,600 kg/m³
· Vapor density	Not applicable
· Particle characteristics	Not determined

· Other information
· Appearance:
· Form: Liquid

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· AUTO IGNITION:	Not self igniting
· Danger of explosion:	Product does not present an explosion hazard.
· Solvent content:	
· VOC-Content	0.00 % 3.5 g/l / 0.03 lb/gal
· Volatile Organic Compounds	3.5 g/l 0.24 %
· Change in condition	
· Evaporation rate	Not applicable.

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.

*

11 Toxicological information

· Information on toxicological effects
· Acute toxicity:

· LD/LC50 values that are relevant for classification:		
CAS: 1317-65-3 Calciumcarbonat		
Oral	LD50	>2,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50/4 h	>3 mg/l (Rat)
CAS: 14808-60-7 Quarz		
Oral	LD50	>2,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)

· Primary irritant effect:	
· on the skin:	No irritant effect.
· on the eye:	No irritating effect.
· Sensitization:	No sensitizing effects known.
· Additional toxicological information:	The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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· Carcinogenic categories

· IARC (International Agency for Research on Cancer)		
CAS: 14808-60-7	Quarz	1

· NTP (National Toxicology Program)		
CAS: 14808-60-7	Quarz	K

12 Ecological information

· Toxicity
· Aquatic toxicity: No further relevant information available.
· 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 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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

· UN-Number
· DOT/TDG, ADR, IMDG, IATA Void

· UN proper shipping name
· DOT/TDG, ADR, IMDG, IATA Void

· Transport hazard class(es)

· DOT/TDG, ADR, ADN, IMDG, IATA
· Class Void

· Packing group
· DOT/TDG, ADR, IMDG, IATA Void

· Environmental hazards: Not applicable

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· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
· Transport/Additional information:	Not dangerous according to the above specifications.
· Special precautions for user	Not applicable
· UN "Model Regulation":	Void

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):

CAS: 1317-65-3	Calciumcarbonat	ACTIVE
CAS: 14808-60-7	Quarz	ACTIVE
CAS: 219756-63-5	Alkylether sulphate 7 EO	ACTIVE

· MAK (German Maximum Workplace Concentration)

CAS: 14808-60-7	Quarz	1

· Per- and polyfluoroalkyl substances (PFAS)
None of the ingredients is listed.

· GHS label elements	Void
· Hazard pictograms	Void
· Signal word	Void
· Hazard statements	Void
· 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 harzards, 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	H315 Causes skin irritation. H318 Causes serious eye damage. H332 Harmful if inhaled. H350 May cause cancer.

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· **Date of previous version** 03/18/2026
· **Version number of previous version:** 2
· **Date of preparation** 10/01/2026
· **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)
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.