Safety Data Sheet
acc. to OSHA HCS

Date of issue: 10/01/2026 **Reviewed on 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

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2 Hazard(s) identification

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

· **Additional information:** Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200.

· **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

· **Classification according to (d)(1)(ii) of § 1910.1200** The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

· **Hazards not otherwise classified** There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

3 Composition/information on ingredients

· **Composition/Information on ingredients** .

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· **Chemical characterization: Mixtures**

· **Dangerous components:**

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

· **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:** CO_2, 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.

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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.
· **Protective Action Criteria for Chemicals**

· PAC-1:		
CAS: 14808-60-7	Quarz	0.075 mg/m3
CAS: 7664-41-7	Ammoniak, wasserfrei	30 ppm

· PAC-2:		
CAS: 14808-60-7	Quarz	8.3 mg/m3
CAS: 7664-41-7	Ammoniak, wasserfrei	160 ppm

· PAC-3:		
CAS: 14808-60-7	Quarz	50 mg/m3
CAS: 7664-41-7	Ammoniak, wasserfrei	1100 ppm

· **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 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:** The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

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CAS: 1317-65-3 Calciumcarbonat	
PEL	Long-term value: 15* 5** mg/m³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction
TLV	TLV withdrawn
CAS: 14808-60-7 Quarz	
PEL	Long-term value: 0.05* mg/m³ *resp. dust; 30mg/m3/%SiO2+2
REL	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 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.
· 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

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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 (~1,562 °F)
· Boiling point/Boiling range:	100 °C (212 °F) nicht anwendbar
· Flammability:	Not determined
· Explosion limits:	
· Lower:	Not determined
· Upper:	Not determined

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· Flash point:	Not applicable
· Decomposition temperature:	Not determined
· pH-value at 20 °C (68 °F):	~9
· Viscosity:	
· Kinematic:	Not applicable
· Dynamic at 20 °C (68 °F):	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 (68 °F):	1.5 g/cm³ (12.5175 lbs/gal)
· 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
· 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.

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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.
· **Interactive effects** No interactive effects between components are known.

· **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

· OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

· **Alternative sources for toxicological information** No non-standard sources for toxicological information where used.

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

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· **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, ADR, IMDG, IATA**	Void
· **UN proper shipping name** · **DOT, ADR, IMDG, IATA**	Void
· **Transport hazard class(es)** · **DOT, ADR, ADN, IMDG, IATA** · **Class**	Void
· **Packing group** · **DOT, ADR, IMDG, IATA**	Void
· **Environmental hazards:**	Not applicable
· **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

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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.

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· **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

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

CAS: 14808-60-7	Quarz

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **New Jersey Right-to-Know List:**

CAS: 1317-65-3	Calciumcarbonat
CAS: 14808-60-7	Quarz
CAS: 7664-41-7	Ammoniak, wasserfrei

· **New Jersey Special Hazardous Substance List:**

CAS: 14808-60-7	Quarz	CA
CAS: 7664-41-7	Ammoniak, wasserfrei	CO

· **Pennsylvania Right-to-Know List:**

CAS: 1317-65-3	Calciumcarbonat
CAS: 14808-60-7	Quarz
CAS: 7664-41-7	Ammoniak, wasserfrei

· **Pennsylvania Special Hazardous Substance List:**

CAS: 7664-41-7	Ammoniak, wasserfrei	E

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

CAS: 14808-60-7	Quarz	A2

· **MAK (German Maximum Workplace Concentration)**

CAS: 14808-60-7	Quarz	1

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

CAS: 14808-60-7	Quarz

· **GHS label elements** Void
· **Hazard pictograms** Void
· **Signal word** Void
· **Hazard statements** Void

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· **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 SDS 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 SDS 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.

· **Department issuing SDS:** Health protection and safety
· **Date of previous version** 03/18/2026
· **Version number of previous version:** 2
· **Date of preparation** 10/01/2026
· **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
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
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute toxicity - inhalation 4: Acute toxicity – Category 4
Skin irritation 2: Skin corrosion/irritation – Category 2
Eye damage 1: Serious eye damage/eye irritation – Category 1
Carcinogenicity 1A: Carcinogenicity – Category 1A
· * Data compared to the previous version altered.