Safety Data Sheet
according to HPR, Schedule 1

Date of issue 10/05/2026 **Version number 19** **Revision: 10/05/2026**

1 Identification

· **Product identifier**

· **Trade name:** **Okatmos Star 120**
· **Other means of identification**
· **Application of the substance / the mixture** **Adhesives**

· **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**
· **CARCINOGENICITY:** **contains quartz dust in the bound state.**
When grinding of hardened material may result in the formation of quartz dust.
Quartz: Confirmed carcinogenwith experimental carcinogenic, tumorigenic and neoplastigenic data. Human systemic effects by inhalation include: cough and dypsnea. Causes liver effects. IARC Group 1 (carcinogenic to humans).

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



Health = 0
Fire = 1
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = *0
Fire = 1
Reactivity = 0

3 Composition/Information on ingredients

· **Composition/Information on ingredients** .
· **Chemical characterization: Mixtures**
· **Description:** **Adhesive**

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· Dangerous components:

CAS: 14808-60-7	Quarz Consisting of: 14808-60-7 Quarz (>98%); 14808-60-7 Quarz (Feinfraktion) (1-10%) Carcinogenicity - Category 1A, H350	10-30% w/w *

* Actual concentration ranges are withheld as a trade secret.

· Additional information: Mixture is not dangerous because silica (CAS: 14808-60-7) is bound.
CAS: 14808-60-7 Quarz : This substance is firmly incorporated into the matrix in this product and therefore does not contribute to the labelling.
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: Generally the product does not irritate the skin.
· After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· After swallowing: rinse out mouth
· 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: 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: 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: No incompatible products worthy of special mention.
· Further information about storage conditions: Protect from frost.
· 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: If the mixture is sprayed or sanded, quartz dust may form. Quartz-containing dust can cause cancer. Please wear personal protective equipment (respiratory protection).

· 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: Suitable respiratory protection for low concentrations or short-term exposure: particle filter EN 143 type P2 (medium retention capacity (solid and liquid pollutant particles))
Not necessary if room is well-ventilated.
Normally no personal respiratory protection required.
· Protection of hands: Not required

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	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	Liquid
· Color:	Whitish
· Odor:	Recognizable
· Odor threshold:	Not determined
· Melting point/Melting range:	undetermined
· Boiling point/Boiling range:	100 °C
· Flammability:	Not applicable
· Explosion limits:	
· Lower:	Not determined
· Upper:	Not determined
· Flash point:	>100 °C
· Decomposition temperature:	Not determined
· pH-value at 20 °C:	7.5-8.5
· Viscosity:	
· Kinematic:	Not determined
· Dynamic at 20 °C:	5,000 mPas
· Solubility in / Miscibility with	
· Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined
· Vapor pressure at 20 °C:	23 hPa
· Vapor pressure:	
· Density at 20 °C:	1.25 g/cm³
· Relative density	Not determined
· Vapor density	Not determined
· Particle characteristics	Not applicable

· Other information	
· Appearance:	
· Form:	Paste
· AUTO IGNITION:	Not self igniting
· Danger of explosion:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	0.1 %
· Water:	7.6 %
· VOC-Content	0.12 %
	1.5 g/l / 0.01 lb/gal
· Solids content:	<47.4 %

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· Volatile Organic Compounds	1.7 g/l 0.12 %
· 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.

*

11 Toxicological information

· Information on toxicological effects
· Acute toxicity:

· LD/LC50 values that are relevant for classification:		
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.

· 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.

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· 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, ADN, IMDG, IATA	Void
· UN proper shipping name · DOT/TDG, ADR, ADN, 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: · Marine pollutant:	No
· 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.

· **TSCA (Toxic Substances Control Act):**

CAS: 471-34-1	Calciumcarbonat	ACTIVE
CAS: 14808-60-7	Quarz	ACTIVE
CAS: 7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
CAS: 8050-25-7	Triethylenglycol-Rosin-Ester	ACTIVE
	Kolophonium, Reaktionsprodukte mit Formaldehyd	ACTIVE
CAS: 8013-07-8	Soybean oil, epoxidized	ACTIVE
	2-Amino-2-methyl-1-propanol	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** H350 May cause cancer.
· **Date of previous version** 09/14/2023
· **Version number of previous version:** 18
· **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

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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.