

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.05.2020

Version number 35

Revision: 12.05.2020



SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name Okatmos Star 110
- 1.2 Relevant identified uses of the substance or mixture and uses advised against none
- Sector of Use SU21 Consumer uses: Private households / general public / consumers
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- Application of the substance / the mixture Coat adhesive
- 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
-  **GHS07**
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
- Signal word Warning
- Hazard-determining components of labelling: 2-methyl-2H-isothiazol-3-one
1,2-Benzisothiazol-3(2H)-on
- Hazard statements H317 May cause an allergic skin reaction.
- Precautionary statements P102 Keep out of reach of children.

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- P261** Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280** Wear protective gloves.
- P302+P352** IF ON SKIN: Wash with plenty of water.
- P333+P313** If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364** Take off contaminated clothing and wash it before reuse.
- P501** Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards** This mixture does not contain a substance considered to be persistent, bioaccumulative or toxic (PBT) becomes. This mixture does not contain a substance which is considered to be very persistent or very bioaccumulative (vPvB) (If not mentioned in section 3).
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Dispersionsklebstoff auf Basis eines Acrylsäureestercopolymers und Naturharzen

· **Dangerous components:**

CAS: 14808-60-7	Quartz (SiO ₂) STOT RE 2, H373	25-<50%
CAS: 2682-20-4	2-methyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330 Skin Corr. 1B, H314; Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1) Skin Sens. 1A, H317	≥0.0015-<0.025%
CAS: 2634-33-5	1,2-Benzisothiazol-3(2H)-on Eye Dam. 1, H318 Aquatic Acute 1, H400 Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	<0.05%

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

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation** Ensure adequate supply of fresh air and seek medical advice as a precaution.

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- **After skin contact** **Instantly rinse with water.**
 - **After eye contact** **The product is not skin irritating.**
 - **After swallowing** **Rinse opened eye for several minutes under running water.**
 - **4.2 Most important symptoms and effects, both acute and delayed** **In case of persistent symptoms consult doctor.**
 - **4.3 Indication of any immediate medical attention and special treatment needed** **No further relevant information available.**
- No further relevant information available.**

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** **Use fire fighting measures that suit the environment.**
- **5.2 Special hazards arising from the substance or mixture** **Formation of poisonous gases during heating or in fires.**
- **5.3 Advice for firefighters** **none**
- **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:** **Dilute with much water.**
 - **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).**
 - **6.4 Reference to other sections** **Dispose of contaminated material as waste according to item 13.**
- No dangerous materials are released.**
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.**

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- Open and handle container with care.**
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:** **Protect against frost.**
 - **Information about storage in one common storage facility:** **Store away from foodstuffs.**
 - **Further information about storage conditions:** **Store in a cool place.**
Keep container tightly sealed.
 - **7.3 Specific end use(s)** **No further relevant information available.**

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** **No further data; see item 7.**
- **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**
- **Personal protective equipment**
- **General protective and hygienic measures** **Keep away from foodstuffs, beverages and food.**
Wash hands during breaks and at the end of the work.
Store protective clothing separately.
- **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.**
Suitable respiratory protection at low concentrations or short-term exposure: Particle filter EN 143 type P2 (medium retention capacity (solid and liquid particles of harmful substances))
- **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:** **Tightly sealed safety glasses.**

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Appearance:

Form:	Pasty
Colour:	Whitish
Smell:	Characteristic
Odour threshold:	Not determined.

· pH-value at 20 °C: 8

· Change in condition

Melting point/freezing point:	not used
Initial boiling point and boiling range:	100 °C

· Flash point: n.a.

· Inflammability (solid, gaseous) Not applicable.

· Decomposition temperature: Not determined.

· Self-inflammability: Product is not selfigniting.

· Explosive properties: Product is not explosive.

· Critical values for explosion:

Lower:	Not determined.
Upper:	Not determined.

· Steam pressure at 20 °C: 23 hPa

· Density at 20 °C	1.28 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.

· Solubility in / Miscibility with Water:

Fully miscible

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

dynamic at 20 °C:	28,000 mPas
kinematic:	Not determined.

· 9.2 Other information The physical data are average values.

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.

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- 10.6 Hazardous decomposition products: **None known.**

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity **Based on available data, the classification criteria are not met.**

- LD/LC50 values that are relevant for classification:

CAS: 2682-20-4 2-methyl-2H-isothiazol-3-one

Oral	LD50	50 mg/kg (rat)
Inhalative	LC50/4 h	0.025 mg/l (rat)

- Primary irritant effect:
- Skin corrosion/irritation **Based on available data, the classification criteria are not met.**
- Serious eye damage/irritation **Based on available data, the classification criteria are not met.**
- Respiratory or skin sensitisation **May cause an allergic skin reaction.**
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- 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.**

SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity: **No further relevant information available.**
- 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.**
- 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 bodies or sewage system.
- 12.5 Results of PBT and vPvB assessment
- PBT: **Not applicable.**
- vPvB: **Not applicable.**
- 12.6 Other adverse effects **No further relevant information available.**

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation **Disposal according to official regulations**

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· **European waste catalogue**

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

· **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**· **ADR, ADN, IMDG, IATA**

Void

· **14.2 UN proper shipping name**· **ADR, ADN, IMDG, IATA**

Void

· **14.3 Transport hazard class(es)**· **ADR, ADN, IMDG, IATA**· **Class**

Void

· **14.4 Packing group**· **ADR, IMDG, IATA**

Void

· **14.5 Environmental hazards:**· **Marine pollutant:**

No

· **14.6 Special precautions for user**

Not applicable.

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:****Not classified as dangerous in the meaning of transport regulations.**· **UN "Model Regulation":**

Void

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 is listed.**· **REGULATION (EC) No****1907/2006 ANNEX XVII****Conditions of restriction: 3**· **National regulations**· **Information about limitation of use:****Workers should not be exposed to the hazardous materials contained in this preparation. Exceptions can be made by the authorities in certain exceptional cases.**· **Other regulations, limitations and prohibitive regulations** -

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· 15.2 Chemical safety
assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Chapters which have been revised from the previous issue are marked "***".

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

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.

- **Abbreviations and acronyms:** ADR: Accord européen sur le transport 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
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity - oral – Category 3
Acute Tox. 4: Acute toxicity - oral – Category 4
Acute Tox. 2: Acute toxicity - inhalation – Category 2
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

- * 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.