



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.01.2022

Version number 36 (replaces version 35)

Revision: 10.01.2022

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

· 1.1 Product identifier

· Trade name **Okatmos Star 600**

· UFI: **50C0-Y03W-C00C-G3PJ**

· 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)

· Product category

PC1 Adhesives, sealants

· 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

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· 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.

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

· Results of PBT and vPvB assessment

This mixture does not contain any substance considered to be persistent, bioaccumulative or toxic (PBT) will be. This mixture does not contain any substance that is considered very persistent or very bioaccumulative (vPvB) (if not listed in section 3).

· PBT:

Not applicable.

· vPvB:

Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description:

Adhesive.

· Dangerous components:

| | | |
|----------------|---|-----------------|
| 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 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05% | <0.05% |
| 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 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 % | ≥0.0015-<0.025% |

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· **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

· General information

Immediately remove contaminated clothing.
If you feel unwell, seek medical advice.

· After inhalation

Provide plenty of fresh air.
In case of unconsciousness bring patient into stable side position for transport.

Seek medical treatment in case of complaints.

· After skin contact

Instantly wash with water and soap and rinse thoroughly.

· After eye contact

Rinse opened eye for several minutes under running water.

· After swallowing

Do not induce vomiting; call for medical help immediately.

· 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents CO₂, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.

Use fire fighting measures that suit the environment.

· For safety reasons unsuitable extinguishing agents

Water with a full water jet.

· 5.2 Special hazards arising from the substance or mixture

Formation of poisonous gases during heating or in fires.
No further relevant information available.

· 5.3 Advice for firefighters

· 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

Not required.

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- **6.2 Environmental precautions:** **No special measures required.**
- **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). Dispose of contaminated material as waste according to item 13.**
- **6.4 Reference to other sections**
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** **Ensure good ventilation/exhaustion at the workplace.**
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** **No special measures required.**
- **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.**
- **7.3 Specific end use(s)** **No further relevant information available.**

SECTION 8: Exposure controls/personal protection

- **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**
- **Appropriate engineering controls** **No further data; see item 7.**
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures** **Instantly remove any soiled and impregnated garments.**
Wash hands during breaks and at the end of the work.

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- **Breathing equipment:** *Use breathing protection only when aerosol or mist is formed. 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))*
- **Hand protection** *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*
- **Material of gloves** *Rubber gloves*
- **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/face protection** *Safety glasses recommended during refilling.*

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **Physical state** *Fluid*
- **Colour:** *Beige*
- **Smell:** *Characteristic*
- **Odour threshold:** *Not determined.*
- **Melting point/freezing point:** *Not determined*
- **Boiling point or initial boiling point and boiling range** *100 °C*
- **Flammability** *Not applicable.*
- **Lower and upper explosion limit**
- **Lower:** *Not determined.*
- **Upper:** *Not determined.*
- **Flash point:** *Not applicable*
- **Self-inflammability:** *Product is not selfigniting.*
- **Decomposition temperature:** *Not determined.*
- **pH at 20 °C** *7.5-8.5*
- **Viscosity:**
- **Kinematic viscosity** *Not determined.*
- **dynamic at 20 °C:** *40,000 mPas*
- **Solubility**
- **Water:** *less miscible*
- **Partition coefficient n-octanol/water (log value)** *Not determined.*
- **Steam pressure at 20 °C:** *23 hPa*
- **Density and/or relative density**
- **Density at 20 °C** *1.3 g/cm³*

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· **Relative density** **Not determined.**
· **Vapour density** **Not determined.**

· **9.2 Other information** **The physical data are average values.**

· **Appearance:**
· **Form:** **Pasty**
· **Explosive properties:** **Product is not explosive.**
· **Solvent content:**
· **Solids content:** **73.6-74.6 %**
· **Change in condition**
· **Evaporation rate** **Not determined.**

· **Information with regard to physical hazard classes**

· **Explosives** **Void**
· **Flammable gases** **Void**
· **Aerosols** **Void**
· **Oxidising gases** **Void**
· **Gases under pressure** **Void**
· **Flammable liquids** **Void**
· **Flammable solids** **Void**
· **Self-reactive substances and mixtures** **Void**
· **Pyrophoric liquids** **Void**
· **Pyrophoric solids** **Void**
· **Self-heating substances and mixtures** **Void**
· **Substances and mixtures, which emit flammable gases in contact with water** **Void**
· **Oxidising liquids** **Void**
· **Oxidising solids** **Void**
· **Organic peroxides** **Void**
· **Corrosive to metals** **Void**
· **Desensitised explosives** **Void**

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

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SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity **Based on available data, the classification criteria are not met.**

- LD/LC50 values that are relevant for classification:

CAS: 2634-33-5 1,2-Benzisothiazol-3(2H)-on

| | | |
|------|------|-------------------|
| Oral | LD50 | 1,020 mg/kg (rat) |
|------|------|-------------------|

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) |
|------------|----------|------------------|

- 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.**
- 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.**

- 11.2 Information on other hazards

- Endocrine disrupting properties

None of the ingredients is listed.

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.**
- 12.5 Results of PBT and vPvB assessment
- PBT: **Not applicable.**
- vPvB: **Not applicable.**
- 12.6 Endocrine disrupting properties **The product does not contain substances with endocrine disrupting properties.**
- 12.7 Other adverse effects
- Additional ecological information:
- General notes: **Water hazard class 1 (Self-assessment): slightly hazardous for water.**

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Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· Recommendation Disposal according to official regulations

· **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.

SECTION 14: Transport information

· **14.1 UN number or ID 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 Maritime transport in bulk according to IMO instruments** 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 are included

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· **REGULATION (EC) No 1907/2006 ANNEX XVII**

Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **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.

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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.

· **Date of previous version:** 10.01.2022

· **Version number of previous version:** 35

· **Abbreviations and acronyms:** RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
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
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

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LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – 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

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.