

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.04.2020

Version number 36

Revision: 16.04.2020



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

- **1.1 Product identifier**
- **Trade name** Okatmos EF 12
- **UFI:** 2VC0-100V-E009-4HH6
- **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** Adhesives
- **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:** 1,2-Benzisothiazol-3(2H)-on
2-methyl-2H-isothiazol-3-one
- **Hazard statements** H317 May cause an allergic skin reaction.

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- **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**

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

· Dangerous components:

CAS: 25322-69-4	polypropylene glycol ⚠ Acute Tox. 4, H302	2.5-<10%
CAS: 127087-87-0	4-nonylphenol, branched, ethoxylated Aquatic Chronic 3, H412	0.5-<2.5%
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-<0.1%
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%

· SVHC

The product contains the following substances that are listed on the said rules / list:

Chemical: 4-nonylphenol branched, ethoxylated (CAS: 127087-87-0)

EC-No .: 932-098-4

Content > 2.5%

CAS: 127087-87-0	4-nonylphenol, branched, ethoxylated
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· **Additional information**

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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.**
- **After inhalation** **No special measures required.**
Provide plenty of fresh air.
In case of unconsciousness bring patient into stable side position for transport.
- **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** **In case of persistent symptoms consult doctor.**

· **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** **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.
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.

· **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).
Dispose of contaminated material as waste according to item 13.

· **6.4 Reference to other sections**

No dangerous materials are released.

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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:** **None.**
- **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**
Take off soiled soaked clothing.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
- **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

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- | | |
|---|---|
| <ul style="list-style-type: none"> · Material of gloves · Penetration time of glove material · Eye protection: | <p>Rubber gloves</p> <p>The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. Safety glasses recommended during refilling.</p> |
|---|---|

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Appearance:

- | | |
|------------------|-----------------|
| Form: | Pasty |
| Colour: | Beige |
| Smell: | Characteristic |
| Odour threshold: | Not determined. |

· pH-value at 20 °C: 8

· Change in condition

- | | |
|--|----------------|
| Melting point/freezing point: | Not determined |
| Initial boiling point and boiling range: | 100 °C |

· Flash point: Not applicable

· Inflammability (solid, gaseous) Not applicable.

· Ignition temperature: 400 °C

· 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 | 1.25 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: | 3,000 mPas |
| kinematic: | Not determined. |

· 9.2 Other information The physical data are average values.

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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.**

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: 127087-87-0 4-nonylphenol, branched, ethoxylated

Oral	LD50	>2,000 mg/kg (rat)
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CAS: 2634-33-5 1,2-Benzisothiazol-3(2H)-on

Oral	LD50	1,020 mg/kg (rat)
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CAS: 2682-20-4 2-methyl-2H-isothiazol-3-one

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

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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 Keiner der Inhaltsstoffe ist enthalten.

· LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

CAS: 127087-87-0	4-nonylphenol, branched, ethoxylated	Sunset date: 2021-01-04
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· REGULATION (EC) No 1907/2006 ANNEX XVII

registered
 46. b) nonylphenol ethoxylates (C₂H₄O)_n C₁₅ H₂₄ O
 Conditions of restriction: 3

· Regulation (EU) No 649/2012

CAS: 127087-87-0	4-nonylphenol, branched, ethoxylated	Annex I Part 1 Annex I Part 2
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· National regulations

· Information about limitation of use:

Employment restrictions concerning young persons must be observed.

· 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:
- 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 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
 - SVHC: Substances of Very High Concern
 - vPvB: very Persistent and very Bioaccumulative
 - Acute Tox. 3: Acute toxicity - oral – Category 3

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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
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
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- * 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.

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