

Ramsauer GmbH &amp; Co KG

4822 Bad Goisern / H.

Date printed 14.09.2022, Revision 14.09.2022

Version 09. Supersedes version: 08

Page 1 / 12

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Neutral 120****1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Relevant uses**

Silicon

**1.2.2 Uses advised against**

None known.

**1.3 Details of the supplier of the safety data sheet****Company**Ramsauer GmbH & Co KG  
Sarstein 17  
4822 Bad Goisern / H. / AUSTRIA  
Phone +43(0)6135 8205-0  
Fax +43(0)6135 8205-250  
Homepage [www.ramsauer.at](http://www.ramsauer.at)  
E-mail [office@ramsauer.at](mailto:office@ramsauer.at)**Address enquiries to****Technical information**[office@ramsauer.at](mailto:office@ramsauer.at)**Safety Data Sheet**[sdb@chemiebuero.de](mailto:sdb@chemiebuero.de)**1.4 Emergency telephone number****Advisory body**

Call NHS 111 or a doctor

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture [REGULATION (GB) CLP]**

No classification.

**2.2 Label elements**

The product is required to be labelled in accordance with regulation CLP.

**Hazard pictograms**

none

**Signal word**

none

**Hazard statements**

none

**Precautionary statements**

none

**Special labelling**EUH210 Safety data sheet available on request.  
Product treated with biocide OCTYLISOTHIAZOLINONE.**2.3 Other hazards****Human health dangers**

Contact with moisture liberates methanol, Pentan-2-one oxime and acetone oxime.

**Environmental hazards**Does not contain any PBT or vPvB substances.  
Contains no ingredients with endocrine-disrupting properties.**Other hazards**

Further hazards were not determined with the current level of knowledge.

**SECTION 3: Composition / Information on ingredients****3.1 Substances**

not applicable

**3.2 Mixtures**

The product is a mixture.

Range [%]	Substance
1 - <5	5-ethyl-2,8-dimethyl-5-[(propan-2-ylideneamino)oxy]-4,6-dioxo-3,7-diaza-5-silanon-2,7-diene CAS: 58190-57-1, EINECS/ELINCS: 611-631-1, Reg-No.: 01-2119982962-22-XXXX GHS/CLP: STOT RE 2: H373
0.0015 - <0.0025	2-Octyl-2H-isothiazol-3-one CAS: 26530-20-1, EINECS/ELINCS: 247-761-7, EU-INDEX: 613-112-00-5 GHS/CLP: Acute Tox. 4: H302 - Acute Tox. 3: H311 - Acute Tox. 3: H331 - Skin Corr. 1B: H314 - Skin Sens. 1A: H317 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410 - EUH071, M-Factor (acute): 100, M-Factor (chronic): 100 SCL [%]: 0.0015: Skin Sens. 1: H317

**Comment on component parts**

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.  
For full text of H-statements: see SECTION 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

<b>General information</b>	Take off contaminated clothing and wash before reuse.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms seek medical treatment.
<b>Skin contact</b>	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Seek medical advice immediately. Do not induce vomiting.

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

Irritant effects

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

Treat symptomatically.

**SECTION 5: Fire-fighting measures****5.1 Extinguishing media**

<b>Suitable extinguishing media</b>	Dry powder. Foam. Carbon dioxide.
<b>Extinguishing media that must not be used</b>	Water.

**5.2 Special hazards arising from the substance or mixture**

In the event of fire the following can be released:  
Carbon monoxide (CO)  
Nitrogen oxides (NOx).

**5.3 Advice for firefighters**

Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.  
High risk of slipping due to leakage/spillage of product.  
Use personal protective equipment (protective gloves, safety glasses, protective clothing).

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### 6.3 Methods and material for containment and cleaning up

Take up mechanically.  
Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, diatomaceous earth).  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.

Wash hands before breaks and after work.  
Use barrier skin cream.  
Do not eat, drink, smoke or take drugs at work.  
Take off contaminated clothing and wash before reuse.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.  
Prevent penetration into the ground.  
Do not store together with food and animal food/diet.  
Protect from heat/overheating.  
Keep in a cool place. Store in a dry place.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

Ramsauer GmbH &amp; Co KG

4822 Bad Goisern / H.

Date printed 14.09.2022, Revision 14.09.2022

Version 09. Supersedes version: 08

Page 4 / 12

**SECTION 8: Exposure controls / personal protection****8.1 Control parameters****Ingredients with occupational exposure limits to be monitored (GB)**

Substance
Amorphus Silica
CAS: 112945-52-5, EINECS/ELINCS: 231-545-4, Reg-No.: 01-2119379499-16-XXXX
Long-term exposure: 6 mg/m <sup>3</sup> , total inhalable dust
Methanol
CAS: 67-56-1, EINECS/ELINCS: 200-659-6, EU-INDEX: 603-001-00-X, Reg-No.: 01-2119433307-44-XXXX
Long-term exposure: 200 ppm, 266 mg/m <sup>3</sup> , Sk
Short-term exposure (15-minute): 250 ppm, 333 mg/m <sup>3</sup>

**Ingredients with occupational exposure limits to be monitored (EU)**

Substance / EC LIMIT VALUES
Methanol
CAS: 67-56-1, EINECS/ELINCS: 200-659-6, EU-INDEX: 603-001-00-X, Reg-No.: 01-2119433307-44-XXXX
Eight hours: 200 ppm, 260 mg/m <sup>3</sup> , H

**DNEL**

Substance
5-ethyl-2,8-dimethyl-5-[(propan-2-ylideneamino)oxy]-4,6-dioxa-3,7-diaza-5-silanona-2,7-diene, CAS: 58190-57-1
Industrial, dermal, Long-term - systemic effects, 59.35 µg/kg bw/day
Industrial, inhalative, Long-term - systemic effects, 418.57 µg/m <sup>3</sup>
general population, oral, Long-term - systemic effects, 29.68 µg/kg bw/day
general population, dermal, Long-term - systemic effects, 29.68 µg/kg bw/day
general population, inhalative, Long-term - systemic effects, 103.22 µg/m <sup>3</sup>

**PNEC**

Substance
5-ethyl-2,8-dimethyl-5-[(propan-2-ylideneamino)oxy]-4,6-dioxa-3,7-diaza-5-silanona-2,7-diene, CAS: 58190-57-1
soil, 240.95 mg/kg soil dw
sediment (seawater), 204.705 mg/kg sediment dw
sediment (freshwater), 2047.053 mg/kg sediment dw
sewage treatment plants (STP), 2.398 µg/L
seawater, 23.98 µg/L
freshwater, 239.78 µg/L

**8.2 Exposure controls**

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	Safety glasses. (EN 166:2001)
<b>Hand protection</b>	0.7 mm Butyl rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Skin protection</b>	light protective clothing
<b>Other</b>	Avoid contact with eyes and skin. Do not inhale vapours. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, filter A. (DIN EN 14387)
<b>Thermal hazards</b>	no
<b>Delimitation and monitoring of the environmental exposition</b>	Protect the environment by applying appropriate control measures to prevent or limit emissions.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Physical state</b>	pasty
<b>Color</b>	various
<b>Odor</b>	characteristic
<b>Odour threshold</b>	not determined
<b>pH-value</b>	not applicable
<b>pH-value [1%]</b>	not applicable
<b>Boiling point [°C]</b>	not applicable
<b>Flash point [°C]</b>	not applicable
<b>Flammability (solid, gas) [°C]</b>	not determined
<b>Lower explosion limit</b>	not applicable
<b>Upper explosion limit</b>	not applicable
<b>Oxidising properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	not determined
<b>Density [g/cm<sup>3</sup>]</b>	not determined
<b>Relative density</b>	not determined
<b>Bulk density [kg/m<sup>3</sup>]</b>	not applicable
<b>Solubility in water</b>	virtually insoluble
<b>Solubility other solvents</b>	No information available.
<b>Partition coefficient [n-octanol/water]</b>	not determined
<b>Kinematic viscosity</b>	not applicable
<b>Relative vapour density</b>	not determined
<b>Evaporation speed</b>	not determined
<b>Melting point [°C]</b>	not determined
<b>Auto-ignition temperature</b>	not determined
<b>Decomposition temperature [°C]</b>	not determined
<b>Particle characteristics</b>	No information available.

## 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See SECTION 10.3.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents.

### 10.4 Conditions to avoid

See SECTION 7

### 10.5 Incompatible materials

Keep away from water or from damp surroundings.  
Oxidizing agent

### 10.6 Hazardous decomposition products

In the case of heating (150-180°C) following modest (decomposition) products may occur:  
Formaldehyde.  
Contact with moisture liberates methanol, Pentan-2-one oxime and acetone oxime.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity** Based on available data, the classification criteria are not met.

Substance
2-Octyl-2H-isothiazol-3-one, CAS: 26530-20-1
ATE, oral, 125 mg/kg (harmonised)
5-ethyl-2,8-dimethyl-5-[(propan-2-ylideneamino)oxy]-4,6-dioxo-3,7-diaza-5-silanona-2,7-diene, CAS: 58190-57-1
LD50, oral, Rat, 2500 mg/kg (OECD 423)

**Acute dermal toxicity** Based on available data, the classification criteria are not met.

Substance
2-Octyl-2H-isothiazol-3-one, CAS: 26530-20-1
ATE, dermal, 311 mg/kg (harmonised)
5-ethyl-2,8-dimethyl-5-[(propan-2-ylideneamino)oxy]-4,6-dioxo-3,7-diaza-5-silanona-2,7-diene, CAS: 58190-57-1
LD50, dermal, Rat, ~2500 mg/kg (OECD 402)

**Acute inhalational toxicity** Based on available data, the classification criteria are not met.

Substance
2-Octyl-2H-isothiazol-3-one, CAS: 26530-20-1
ATE, inhalativ (mist), 0.27 mg/L (harmonised)

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.  
No classification due to toxicological investigations.  
Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.**Specific target organ toxicity — single exposure** Based on available data, the classification criteria are not met.**Specific target organ toxicity — repeated exposure** Based on available data, the classification criteria are not met.

Substance
5-ethyl-2,8-dimethyl-5-[(propan-2-ylideneamino)oxy]-4,6-dioxo-3,7-diaza-5-silanona-2,7-diene, CAS: 58190-57-1
NOAEL, oral, Rat, 11.87 mg/kg bw/day, systemic, subchronic,

**Mutagenicity** Does not contain a relevant substance that meets the classification criteria.**Reproduction toxicity** Does not contain a relevant substance that meets the classification criteria.

Substance
5-ethyl-2,8-dimethyl-5-[(propan-2-ylideneamino)oxy]-4,6-dioxo-3,7-diaza-5-silanona-2,7-diene, CAS: 58190-57-1
NOAEL, oral, Rat, 79.13 mg/kg bw/day, fertility, subchronic,

**Carcinogenicity** Does not contain a relevant substance that meets the classification criteria.**Aspiration hazard** Does not contain a relevant substance that meets the classification criteria.**General remarks**

none

**11.2 Information on other hazards****Endocrine disrupting properties** Contains no ingredients with endocrine-disrupting properties.**Other information** none

**SECTION 12: Ecological information****12.1 Toxicity**

Substance
2-Octyl-2H-isothiazol-3-one, CAS: 26530-20-1
LC50, (96h), fish, 122 µg/L
EC50, (96h), Algae, 150 µg/L
EC50, (48h), Daphnia magna, 0.18 mg/l (Lit.)
5-ethyl-2,8-dimethyl-5-[(propan-2-ylideneamino)oxy]-4,6-dioxo-3,7-diaza-5-silanon-2,7-diene, CAS: 58190-57-1
LC50, (96h), Pimephales promelas, 696.76 mg/l (OECD 203)
EC50, (72h), Pseudokirchneriella subcapitata, 315.36 mg/l (OECD 201)
EC50, (48h), Daphnia magna, 678.73 mg/l (OECD 202)

**12.2 Persistence and degradability**

<b>Behaviour in environment compartments</b>	not determined
<b>Behaviour in sewage plant</b>	not determined
<b>Biological degradability</b>	not determined

**12.3 Bioaccumulative potential**

not determined

**12.4 Mobility in soil**

not applicable

**12.5 Results of PBT and vPvB assessment**

Based on all available information not to be classified as PBT or vPvB respectively.

**12.6 Endocrine disrupting properties**

Contains no ingredients with endocrine-disrupting properties.

**12.7 Other adverse effects**

Ecological data of complete product are not available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**Product**

For recycling, consult manufacturer.  
Disposal in an incineration plant in accordance with the regulations of the local authorities.

**Waste no. (recommended)** 070217

**Contaminated packaging**

Untaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

**Waste no. (recommended)** 150102



**SECTION 14: Transport information****14.1 UN number or ID number**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.2 UN proper shipping name**

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

**14.3 Transport hazard class(es)**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.4 Packing group**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.5 Environmental hazards**

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**14.7 Maritime transport in bulk according to IMO instruments**

not applicable

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EEC-REGULATIONS** 2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014

**TRANSPORT-REGULATIONS** ADR (2021); IMDG-Code (2021, 40. Amdt.); IATA-DGR (2022)

**NATIONAL REGULATIONS (GB):** EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.

- Observe employment restrictions for people no

- VOC (2010/75/CE) 0 %

**15.2 Chemical safety assessment**

not applicable

**SECTION 16: Other information****16.1 Hazard statements (SECTION 3)**

EUH071 Corrosive to the respiratory tract.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H317 May cause an allergic skin reaction.  
 H400 Very toxic to aquatic life.  
 H314 Causes severe skin burns and eye damage.  
 H331 Toxic if inhaled.  
 H311 Toxic in contact with skin.  
 H302 Harmful if swallowed.  
 H373 May cause damage to organs through prolonged or repeated exposure.

**16.2 Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
IVIS = In vitro irritation score  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV@TWA = Threshold limit value – time-weighted average  
TLV@STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

**16.3 Other information****Classification procedure**

**Modified position**

SECTION 3 deleted: 3-Aminopropyltriethoxysilane

SECTION 3 been added: 2-Octyl-2H-isothiazol-3-one

SECTION 2 been added: Contains no ingredients with endocrine-disrupting properties.

SECTION 4 deleted: Allergic reactions

SECTION 6 been added: Use personal protective equipment (protective gloves, safety glasses, protective clothing).

SECTION 10 been added: Keep away from water or from damp surroundings.

SECTION 10 been added: Contact with moisture liberates methanol, Pentan-2-one oxime and acetone oxime.

SECTION 11 been added: Based on available data, the classification criteria are not met.

SECTION 11 been added: Contains no ingredients with endocrine-disrupting properties.

SECTION 11 deleted: Based on the available information, the classification criteria are fulfilled.

SECTION 11 been added: Based on available data, the classification criteria are not met.

SECTION 11 been added: No classification due to toxicological investigations.

SECTION 11 been added: Based on available data, the classification criteria are not met.

SECTION 11 been added: Based on available data, the classification criteria are not met.

SECTION 11 deleted: Does not contain a relevant substance that meets the classification criteria.

SECTION 11 been added: Based on available data, the classification criteria are not met.

SECTION 11 deleted: Does not contain a relevant substance that meets the classification criteria.

SECTION 11 been added: Based on available data, the classification criteria are not met.

SECTION 11 deleted: Does not contain a relevant substance that meets the classification criteria.

SECTION 11 been added: Based on available data, the classification criteria are not met.

SECTION 11 deleted: Toxicological data of complete product are not available.

SECTION 11 deleted: Toxicological data of complete product are not available.

SECTION 12 been added: Contains no ingredients with endocrine-disrupting properties.

Copyright: Chemiebüro®