

Ramsauer GmbH & Co KG
5350 Strobl / Wolfgangsee / AUSTRIA

Date printed 25.11.2024, Revision 23.10.2024

Version 2.0. Supersedes version: 1.0

Page 1 / 12

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

1.1 Product identifier

442 Terrasse

UFI: -

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
Alte Bundesstraße 147
5350 Strobl / Wolfgangsee / AUSTRIA
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Homepage www.ramsauer.eu
E-mail office@ramsauer.eu

Address enquiries to

Technical information

office@ramsauer.eu

Safety Data Sheet

sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body

Österreich: +43(0) 1 406 43 43 (24h)

Company

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

No classification.

2.2 Label elements

The product is required to be labelled in accordance with regulation (EC) No. 1272/2008 (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.

Contains: 2-Octyl-2H-isothiazol-3-one. EUH208 May produce an allergic reaction.

Ramsauer GmbH & Co KG
5350 Strobl / Wolfgangsee / AUSTRIA

Date printed 25.11.2024, Revision 23.10.2024

Version 2.0. Supersedes version: 1.0

Page 2 / 12

2.3 Other hazards

| | |
|---------------------------------|---|
| Physico-chemical hazards | Contact with moisture liberates Methanol. |
| Human health dangers | Frequent persistent contact with the skin can cause skin irritation. |
| 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 | O,O',O''-(methylsilylidyne)trioxime 2-pentanone CAS: 37859-55-5, EINECS/ELINCS: 484-460-1, Reg-No.: 01-2120004323-76-XXXX GHS/CLP: Acute Tox. 4: H302 - Eye Irrit. 2: H319 |
| 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 For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

| | |
|----------------------------|---|
| General information | Take off contaminated clothing and wash before reuse. |
| Inhalation | Ensure supply of fresh air. In the event of symptoms seek medical treatment. |
| Skin contact | In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists. |
| Eye contact | 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. |
| Ingestion | Seek medical advice immediately. |

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects
Allergic reactions

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Ramsauer GmbH & Co KG
5350 Strobl / Wolfgangsee / AUSTRIA

Date printed 25.11.2024, Revision 23.10.2024

Version 2.0. Supersedes version: 1.0

Page 3 / 12

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide.
Water spray jet.
Dry powder.
Foam.

Extinguishing media that must not be used Full water jet.

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 within 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.

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.
Do not clean contaminated area with water.

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.

Ramsauer GmbH & Co KG
5350 Strobl / Wolfgangsee / AUSTRIA

Date printed 25.11.2024, Revision 23.10.2024

Version 2.0. Supersedes version: 1.0

Page 4 / 12

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

| |
|--|
| 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 ³ , H |

DNEL

| |
|--|
| Substance |
| O,O',O''-(methylsilylidyne)trioxime 2-pentanone, CAS: 37859-55-5 |
| Industrial, inhalative, Long-term - systemic effects, 0.229 mg/m ³ (AF=50) |
| Industrial, dermal, Long-term - systemic effects, 0.065 mg/kg bw/d |
| general population, inhalative, Long-term - systemic effects, 0.057 mg/m ³ (AF=100) |
| general population, dermal, Acute - systemic effects, 0.033 mg/kg bw/d (AF=400) |
| general population, oral, Long-term - systemic effects, 0.033 mg/kg bw/d (AF=400) |
| general population, oral, Acute - systemic effects, 375 µg/kg bw/day |

PNEC

| |
|--|
| Substance |
| O,O',O''-(methylsilylidyne)trioxime 2-pentanone, CAS: 37859-55-5 |
| freshwater, 0.1 mg/L (AF=1000) |
| seawater, 0.01 mg/L (AF=10 000) |
| sewage treatment plants (STP), 2.15 mg/L (AF=10) |
| sediment (freshwater), 0.569 mg/kg dw |
| sediment (seawater), 0.057 mg/kg dw |
| soil, 0.044 mg/kg dw |

8.2 Exposure controls

| | |
|--|--|
| Additional advice on system design | 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. |
| Eye protection | Safety glasses. (EN 166:2001) |
| Hand protection | 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. |
| Skin protection | Protective clothing (EN 340) |
| Other | 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. |
| Respiratory protection | Respiratory protection mask in the event of high concentrations. Short term: filter apparatus, filter AX (DIN EN 14387). |
| Thermal hazards | no |
| Delimitation and monitoring of the environmental exposition | Protect the environment by applying appropriate control measures to prevent or limit emissions. |

Ramsauer GmbH & Co KG
5350 Strobl / Wolfgangsee / AUSTRIA

Date printed 25.11.2024, Revision 23.10.2024

Version 2.0. Supersedes version: 1.0

Page 5 / 12

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents.
Contact with moisture liberates Methanol.

10.4 Conditions to avoid

See SECTION 7

Ramsauer GmbH & Co KG
5350 Strobl / Wolfgangsee / AUSTRIA

Date printed 25.11.2024, Revision 23.10.2024

Version 2.0. Supersedes version: 1.0

Page 6 / 12

10.5 Incompatible materials

Strong oxidizing agent.

10.6 Hazardous decomposition products

In the case of heating (150-180°C) following modest (decomposition) products may occur:
Formaldehyde.

Ramsauer GmbH & Co KG
5350 Strobl / Wolfgangsee / AUSTRIA

Date printed 25.11.2024, Revision 23.10.2024

Version 2.0. Supersedes version: 1.0

Page 7 / 12

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity Based on the available information, the classification criteria are not fulfilled.

| |
|--|
| Substance |
| 2-Octyl-2H-isothiazol-3-one, CAS: 26530-20-1 |
| ATE, oral, 125 mg/kg (harmonised) |
| O,O',O''-(methylsilylidyne)trioxime 2-pentanone, CAS: 37859-55-5 |
| LD50, oral, Rat, 1133 - 1234 mg/kg bw |

Acute dermal toxicity Based on the available information, the classification criteria are not fulfilled.

| |
|--|
| Substance |
| 2-Octyl-2H-isothiazol-3-one, CAS: 26530-20-1 |
| ATE, dermal, 311 mg/kg (harmonised) |
| O,O',O''-(methylsilylidyne)trioxime 2-pentanone, CAS: 37859-55-5 |
| LD50, dermal, Rat, 2000 mg/kg bw |

Acute inhalational toxicity Based on the available information, the classification criteria are not fulfilled.

| |
|---|
| 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 the available information, the classification criteria are not fulfilled.

Skin corrosion/irritation Based on the available information, the classification criteria are not fulfilled.

| |
|--|
| Substance |
| O,O',O''-(methylsilylidyne)trioxime 2-pentanone, CAS: 37859-55-5 |
| dermal, Rabbit, OECD 404, non-irritating |
| Eye, Rabbit, OECD 405, irritant |
| dermal, Guinea pig, OECD 406, non-sensitizing |

Respiratory or skin sensitisation Based on the available information, the classification criteria are not fulfilled.
No classification due to toxicological investigations.
May cause an allergic skin reaction.

Specific target organ toxicity — single exposure Based on the available information, the classification criteria are fulfilled.

Specific target organ toxicity — repeated exposure Based on available data, the classification criteria are not met.

| |
|--|
| Substance |
| O,O',O''-(methylsilylidyne)trioxime 2-pentanone, CAS: 37859-55-5 |
| NOAEL, oral, Rat, 13 mg/kg bw/day, OECD 408 |

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

| |
|--|
| Substance |
| O,O',O''-(methylsilylidyne)trioxime 2-pentanone, CAS: 37859-55-5 |
| InVitro, OECD 471, negativ |
| oral, Rat, InVivo, negativ |

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

Ramsauer GmbH & Co KG
5350 Strobl / Wolfgangsee / AUSTRIA

Date printed 25.11.2024, Revision 23.10.2024

Version 2.0. Supersedes version: 1.0

Page 8 / 12

- Fertility

| |
|--|
| Substance |
| O,O',O''-(methylsilylidyne)trioxime 2-pentanone, CAS: 37859-55-5 |
| NOAEL, Rat, 99 mg/kg bw/day |

- Development

| |
|--|
| Substance |
| O,O',O''-(methylsilylidyne)trioxime 2-pentanone, CAS: 37859-55-5 |
| NOAEL, Rat, 99 mg/kg bw/day |

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

11.2.1 Endocrine disrupting properties Contains no ingredients with endocrine-disrupting properties.

11.2.2 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.) |
| O,O',O''-(methylsilylidyne)trioxime 2-pentanone, CAS: 37859-55-5 |
| LC50, (96h), Fish, 113 mg/L |
| EC50, (48h), Daphnia magna, 113 mg/L |
| EC50, (72h), Algae, 100 mg/L |

12.2 Persistence and degradability

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Biological degradability 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.

Ramsauer GmbH & Co KG
5350 Strobl / Wolfgangsee / AUSTRIA

Date printed 25.11.2024, Revision 23.10.2024

Version 2.0. Supersedes version: 1.0

Page 9 / 12

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

None known.

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

Uncontaminated 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"

Ramsauer GmbH & Co KG
5350 Strobl / Wolfgangsee / AUSTRIA

Date printed 25.11.2024, Revision 23.10.2024

Version 2.0. Supersedes version: 1.0

Page 10 / 12

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

Ramsauer GmbH & Co KG
5350 Strobl / Wolfgangsee / AUSTRIA

Date printed 25.11.2024, Revision 23.10.2024

Version 2.0. Supersedes version: 1.0

Page 11 / 12

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

| | |
|---|--|
| EEC-REGULATIONS | 2008/98/EG (2000/532/EC); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707 |
| - Comment on component parts | Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%. |
| - Annex XIV (REACH) | According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances $\geq 0.1\%$ that are subject to authorisation. |
| - Annex XVII (REACH) | According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains $\geq 0.1\%$ of substances with the following restrictions. 75 According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions. |
| TRANSPORT-REGULATIONS | ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2024) |
| NATIONAL REGULATIONS (EU): | |
| - 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.

H319 Causes serious eye irritation.
H302 Harmful if swallowed.

Ramsauer GmbH & Co KG
5350 Strobl / Wolfgangsee / AUSTRIA

Date printed 25.11.2024, Revision 23.10.2024

Version 2.0. Supersedes version: 1.0

Page 12 / 12

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

This document does not comply with Regulation (EC) No 1907/2006, article 31 (5) and may be used for internal purposes only.

Classification procedure

Modified position 1.3, 2.2, 3.2, 8.1, 9.1, 11.1, 11.2, 12.6, 12.7, 15.1, 16.2, 16.3

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