

Ramsauer GmbH & Co KG
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 1 / 16

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

1.1 Product identifier

Stein+Sanitär 445

UFI: -

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant uses

Sealing material

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
E-mail office@ramsauer.at

Address enquiries to

Technical information office@ramsauer.at
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 (GB) CLP]

Eye Irrit. 2: H319 Causes serious eye irritation.

2.2 Label elements

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

Hazard pictograms



Signal word

WARNING

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P280 Wear eye protection.

Special labelling

Product treated with preservatives 2-Octyl-2H-isothiazol-3-one (CAS 26530-20-1).

Contains: N-[3-(Trimethoxysilyl)propyl]ethylenediamine. EUH208 May produce an allergic reaction.

Ramsauer GmbH & Co KG
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 2 / 16

2.3 Other hazards

Physico-chemical hazards	Contact with moisture liberates Methanol and Ethanol.
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
50 - <100	Polydimethylsiloxan, (((3-(cyclohexylamino)propyl)dimethoxysilyl)oxy)-terminated CAS: 129968-18-9, EINECS/ELINCS: Polymer GHS/CLP: Eye Irrit. 2: H319
1 - <1.5	N-[3-(Trimethoxysilyl)propyl]cyclohexylamine CAS: 3068-78-8, EINECS/ELINCS: 221-329-8 GHS/CLP: Eye Dam. 1: H318
1 - <1.5	3-(Trimethoxysilyl)propylamine CAS: 13822-56-5, EINECS/ELINCS: 237-511-5, Reg-No.: 01-2119510159-45-XXXX GHS/CLP: Eye Dam. 1: H318 - Skin Irrit. 2: H315
1 - <1.5	Triethoxy(vinyl)silane CAS: 78-08-0, EINECS/ELINCS: 201-081-7 GHS/CLP: Flam. Liq. 3: H226
0.1 - <1	N-[3-(Trimethoxysilyl)propyl]ethylenediamine CAS: 1760-24-3, EINECS/ELINCS: 217-164-6, Reg-No.: 01-2119970215-39-XXXX GHS/CLP: Eye Dam. 1: H318 - Skin Sens. 1: H317 - STOT SE 3: H335 - STOT RE 2: H373
0.00015 - <0.0015	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

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 with warm 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.

Ramsauer GmbH & Co KG
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 3 / 16

4.2 Most important symptoms and effects, both acute and delayed

Headache
Allergic reactions
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

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

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 (NO_x).

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.
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.
No special measures necessary if used correctly.

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.

Ramsauer GmbH & Co KG
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 4 / 16

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.

Keep container tightly closed.

Keep in a cool place. Store in a dry place.

7.3 Specific end use(s)

See product use, SECTION 1.2

Ramsauer GmbH & Co KG
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 5 / 16

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 ³ , total inhalable dust

DNEL

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
Industrial, inhalative, Long-term - systemic effects, 7.1 mg/m ³
Industrial, dermal, Long-term - systemic effects, 1 mg/kg bw/day
Industrial, inhalative, Acute - systemic effects, 260 mg/m ³
general population, dermal, Long-term - systemic effects, 0.5 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 1.7 mg/m ³
general population, inhalative, Acute - systemic effects, 50 mg/m ³
general population, oral, Long-term - systemic effects, 8 mg/kg bw/day
N-[3-(Trimethoxysilyl)propyl]cyclohexylamine, CAS: 3068-78-8
Industrial, inhalative, Acute - local effects, 260 mg/m ³
Industrial, inhalative, Long-term - systemic effects, 16.5 mg/m ³
Industrial, inhalative, Long-term - local effects, 260 mg/m ³
Industrial, dermal, Long-term - systemic effects, 2.33 mg/kg bw/day
Industrial, inhalative, Acute - systemic effects, 260 mg/m ³
general population, inhalative, Long-term - systemic effects, 2.9 mg/m ³
general population, inhalative, Long-term - local effects, 50 mg/m ³
general population, inhalative, Acute - local effects, 50 mg/m ³
general population, dermal, Long-term - systemic effects, 830 µg/kg bw/day
general population, oral, Long-term - systemic effects, 830 µg/kg bw/day
general population, inhalative, Acute - systemic effects, 50 mg/m ³
N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3
Industrial, inhalative, Acute - systemic effects, 260 mg/m ³
Industrial, inhalative, Long-term - systemic effects, 260 mg/m ³
Industrial, inhalative, Long-term - local effects, 600 µg/m ³
Industrial, inhalative, Acute - local effects, 5.36 µg/m ³
general population, oral, Long-term - systemic effects, 8 mg/kg bw/day
general population, inhalative, Acute - systemic effects, 50 mg/m ³
general population, inhalative, Long-term - systemic effects, 50 mg/m ³
Triethoxy(vinyl)silane, CAS: 78-08-0
Industrial, inhalative, Long-term - systemic effects, 27.6 mg/m ³
Industrial, dermal, Long-term - systemic effects, 3.9 mg/kg bw/day
general population, dermal, Long-term - systemic effects, 7.8 mg/kg bw/day
general population, oral, Long-term - systemic effects, 300 µg/kg bw/day
general population, inhalative, Long-term - systemic effects, 6.7 mg/m ³

Ramsauer GmbH & Co KG
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 6 / 16

PNEC

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
seawater, 33 µg/L
sewage treatment plants (STP), 13 mg/L
sediment (freshwater), 1.2 mg/kg sediment dw
sediment (seawater), 120 µg/kg sediment dw
soil, 45 µg/kg soil dw
freshwater, 330 µg/L
N-[3-(Trimethoxysilyl)propyl]cyclohexylamine, CAS: 3068-78-8
soil, 13 µg/kg soil dw
freshwater, 40.71 µg/L
seawater, 4.07 µg/L
sewage treatment plants (STP), 10 mg/L
sediment (freshwater), 184.4 µg/kg sediment dw
sediment (freshwater), 18.4 µg/kg sediment dw
N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3
seawater, 0.006 mg/L (AF= 500)
sewage treatment plants (STP), 25 mg/L
sediment (freshwater), 0.22 mg/kg dw
sediment (seawater), 0.022 mg/kg dw
soil, 0.009 mg/kg dw
freshwater, 0.062 mg/L (AF= 50)
Triethoxy(vinyl)silane, CAS: 78-08-0
soil, 60 µg/kg soil dw
freshwater, 400 µg/L
seawater, 40 µg/L
sediment (freshwater), 1.5 mg/kg sediment dw
sediment (seawater), 150 µg/kg sediment 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	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)
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
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 7 / 16

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	pasty
Color	not determined
Odor	not determined
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not determined
Boiling point [°C]	not applicable
Flash point [°C]	not applicable
Flammability (solid, gas) [°C]	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]	not determined
Kinematic viscosity	not applicable
Relative vapour density	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Auto-ignition temperature	not applicable
Decomposition temperature [°C]	not determined
Particle characteristics	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 7.2.
Strong heating.

Ramsauer GmbH & Co KG
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 8 / 16

10.5 Incompatible materials

Water

10.6 Hazardous decomposition products

Contact with moisture liberates Methanol and Ethanol.

Ramsauer GmbH & Co KG
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 9 / 16

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)
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
LD50, oral, Rat, 2.97 mL/kg bw, OECD 401
N-[3-(Trimethoxysilyl)propyl]cyclohexylamine, CAS: 3068-78-8
LD50, oral, Rat, >2000 mg/kg bw, OECD 401
LC50, inhalative, Rat, 1.6 - 2.3 mg/L air, OECD 403, 4h
Polydimethylsiloxan, (((3-(cyclohexylamino)propyl)dimethoxysilyl)oxy)-terminated, CAS: 129968-18-9
LD50, oral, Rat, > 2000 mg/kg
N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3
LD50, oral, Rat, 2295 mg/kg bw
Triethoxy(vinyl)silane, CAS: 78-08-0
LD50, oral, Rat, 5000 mg/kg bw

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)
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
LD50, dermal, Rabbit, 11.3 mL/kg bw, OECD 402
N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3
LD50, dermal, Rabbit, >2000 mg/kg bw
Triethoxy(vinyl)silane, CAS: 78-08-0
LD50, dermal, Rat, 2000 mg/kg bw

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)
N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3
LC50, inhalative, Rat, 1.49 -2.44 mg/L, 4h

Serious eye damage/irritation Irritant

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
Eye, Rabbit, OECD 405, corrosive
N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3
Rabbit, OECD 405, corrosive

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Substance
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5

Ramsauer GmbH & Co KG
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 10 / 16

dermal, Rabbit, OECD 404, irritant

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
May cause an allergic skin reaction.

Substance

3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5

dermal, Guinea pig, OECD 406, non-sensitizing

N-[3-(Trimethoxysilyl)propyl]cyclohexylamine, CAS: 3068-78-8

dermal, Guinea pig, OECD 406, non-sensitizing

N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3

dermal, Guinea pig, OECD 406, sensitising

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

3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5

NOAEL, oral, Rat, 100 mg/kg bw/day, OECD 408, adverse effect observed

N-[3-(Trimethoxysilyl)propyl]cyclohexylamine, CAS: 3068-78-8

NOAEL, oral, Rat, 500 mg/kg bw/day, OECD 422

N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3

NOAEC, inhalative, Rat, 15 mg/m³, OECD 422

Triethoxy(vinyl)silane, CAS: 78-08-0

NOAEL, oral, Rat, 62.5 mg/kg bw/day, systemic, subacute,

NOAEC, inhalative, Rat, 2421 mg/m³, local, subchronic,

NOAEC, inhalative, Rat, 605 mg/m³, systemic, subchronic,

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

Substance

3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5

in vitro, OECD 471, negativ

N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3

Ames-test, negativ

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

Substance

3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5

NOAEL, oral, Rat, 1000 mg/kg bw/day, OECD 414, no adverse effect observed

N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3

NOAEL, oral, Rat, 750 mg/kg bw/day, OECD 422

Triethoxy(vinyl)silane, CAS: 78-08-0

NOAEL, oral, Rabbit, 75 mg/kg bw/day, development, subacute,

NOAEL, oral, Rat, 300 mg/kg bw/day, fertility, subchronic,

NOAEC, inhalative, Rat, 1730 mg/m³, development, subacute,

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

Aspiration hazard Based on available data, the classification criteria are not met.

Ramsauer GmbH & Co KG
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 11 / 16

General remarks

Toxicological data of complete product are not available.

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, (48h), Daphnia magna, 0.18 mg/l (Lit.)
EC50, (96h), Algae, 150 µg/L
3-(Trimethoxysilyl)propylamine, CAS: 13822-56-5
LC50, (96h), fish, 934 mg/L
EC50, (48h), Daphnia magna, 331 mg/L
EC50, (72h), Algae, >603 - 1000 mg/L
N-[3-(Trimethoxysilyl)propyl]cyclohexylamine, CAS: 3068-78-8
LC50, (96h), Danio rerio, > 100 mg/l
EC50, (72h), Algae, 40.71 mg/L
EC50, (48h), Daphnia sp., 210 mg/L
EC50, (3h), Water microorganisms, 1 g/L
NOEC, (72h), Algae, 16.88 mg/L
N-[3-(Trimethoxysilyl)propyl]ethylenediamine, CAS: 1760-24-3
LC50, (96h), Danio rerio, 597 mg/l (Lit.)
EC50, (48h), Daphnia magna, 81 mg/l (Lit.)
EC50, (16h), Pseudomonas putida, 67 mg/l (Lit.)
IC50, (72h), Algae, 8.8 mg/l (OECD 201)
NOEC, (21d), Daphnia magna, > 1 mg/l (Lit.)
NOEC, (72h), Algae, 3.1 mg/l (OECD 201)
Triethoxy(vinyl)silane, CAS: 78-08-0
LC50, (96h), fish, 92.2 mg/L
EC50, (48h), Invertebrates, 168.7 mg/L
EC50, (24h), Invertebrates, 297.2 mg/L
EC50, (72h), Invertebrates, 89 mg/L
NOEC, (72h), Invertebrates, 89 mg/L
NOEC, (96h), fish, 100 mg/L

12.2 Persistence and degradability

Behaviour in environment compartments

not determined

Behaviour in sewage plant

not determined

Biological degradability

not determined

Ramsauer GmbH & Co KG
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 12 / 16

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)

070216*

Contaminated packaging

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

Waste no. (recommended)

150110* packaging containing residues of or contaminated by hazardous substances
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

Ramsauer GmbH & Co KG
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 13 / 16

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

Ramsauer GmbH & Co KG
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 14 / 16

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	Observe employment restrictions for young people.
- VOC (2010/75/CE)	0 %

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

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 the respiratory system through prolonged or repeated exposure through inhalation.
H335 May cause respiratory irritation.
H317 May cause an allergic skin reaction.
H226 Flammable liquid and vapour.
H315 Causes skin irritation.

H318 Causes serious eye damage.
H319 Causes serious eye irritation.

Ramsauer GmbH & Co KG
4822 Bad Goisern / H. / Austria

Date printed 18.01.2023, Revision 09.11.2022

Version 04. Supersedes version: 03

Page 15 / 16

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

Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)

Modified position

SECTION 3 deleted: 3-Aminopropyl(methyl) silsesquioxanes, ethoxy-terminated
SECTION 3 been added: N-[3-(Trimethoxysilyl)propyl]ethylenediamine
SECTION 3 been added: Triethoxy(vinyl)silane
SECTION 3 been added: 3-(Trimethoxysilyl)propylamine
SECTION 3 been added: N-[3-(Trimethoxysilyl)propyl]cyclohexylamine
SECTION 2 been added: N-[3-(Trimethoxysilyl)propyl]ethylenediamine
SECTION 3 deleted: 3-Aminopropyltriethoxysilane
SECTION 3 been added: Polydimethylsiloxan, (((3-(cyclohexylamino)propyl)dimethoxysilyl)oxy)-terminated
SECTION 2 deleted: EUH210 Safety data sheet available on request.
SECTION 2 deleted: The product is required to be labelled in accordance with regulation CLP.
SECTION 2 been added: EUH208 May produce an allergic reaction.
SECTION 2 been added: The product is required to be labelled in accordance with regulation CLP.
SECTION 2 been added: Eye Irrit. 2
SECTION 2 been added: exclamation mark
SECTION 2 been added: WARNING
SECTION 2 been added: P280 Wear eye protection.
SECTION 2 been added: H319 Causes serious eye irritation.
SECTION 4 been added: Irritant effects
SECTION 8 been added: Protective clothing (EN 340)
SECTION 8 deleted: Not required under normal conditions.
SECTION 11 been added: Irritant
SECTION 11 deleted: The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.
SECTION 11 been added: Contains no ingredients with endocrine-disrupting properties.
SECTION 11 deleted: Based on available data, the classification criteria are not met.
SECTION 13 deleted:
SECTION 13 been added:
SECTION 15 been added: Observe employment restrictions for young people.
SECTION 16 been added: Calculation method

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