SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Revision date: 6 Jun 2023
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Version: 2

Sil Tech N beige 310ml

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

1.1. Product identifier

Trade name/designation:

Sil Tech N beige 310ml

Article No.:
T596104

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

Use of the substance/mixture:
Silicone sealant

1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH
Hartleitnerstraße 3
4653 Eberstalzell
Austria
Telephone: +43 (0) 7241 213 79
E-mail: msds@kando.eu

1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: none

Supplemental hazard information	
EUH208	Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Precautionary statements: none

2.3. Other hazards

Other adverse effects:

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
The product does not contain any substances with endocrine-disrupting properties.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
EC No.: 484-460-1 Index No.: 613-112-00-5 REACH No.: 01-2120004323-76-XXXX	**O,O',O''-(methylsilylidin)trioxim-2-pentanon** Acute Tox. 4 (H302), Eye Irrit. 2 (H319) Warning	1 – < 5 weight-%
CAS No.: 26530-20-1 EC No.: 247-761-7 Index No.: 613-112-00-5	**2-octyl-2H-isothiazol-3-one** Acute Tox. 2 (H330), Acute Tox. 3 (H311, H301), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Dam. 1 (H318), Skin Corr. 1 (H314), Skin Sens. 1A (H317) Danger EUH071 M-factor (acute): 100 M-factor (chronic): 100 **Specific concentration limit (SCL)** Skin Sens. 1A; H317: C ≥ 0.0015% **Acute Toxicity Estimate** ATE (oral): 125 mg/kg ATE (dermal): 311 mg/kg ATE (inhalation, dust/mist): 0.27 mg/L	0.00015 – < 0.0015 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:
Never give anything by mouth to an unconscious person!

Following inhalation:
Fresh air supply, consult a doctor in case of complaints.

In case of skin contact:
Wash with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician.

After eye contact:
First rinse with water for a long time, (remove contact lenses if this is easily possible), then consult a doctor.

Following ingestion:
Rinse mouth thoroughly with water. Do NOT induce vomiting. Drink plenty of water. Immediately call a doctor.

Self-protection of the first aider:
First aider: Pay attention to self-protection!

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

If applicable, delayed symptoms and effects can be found in section 11. or in the routes of intake under section 4.1. Symptoms can occur only after several hours.

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 media:
Adapt fire extinguishing measures to the surroundings.
Water spray jet, Foam, Carbon dioxide (CO2), Dry extinguishing powder

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon oxides, Sulphur oxides, Formaldehyde, toxic gases, Nitrogen oxides

5.3. Advice for firefighters

Wear personal protection equipment (refer to section 8). Do not inhale explosion and combustion gases. Self-contained respirator (breathing apparatus). Full protection suit. Fire residues and contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Wear personal protection equipment (refer to section 8). General ventilation. Remove all sources of ignition. Avoid dust formation with solid or powdery products. Leave the danger zone as far as possible, use existing emergency plans if necessary. Avoid contact with eyes and skin.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:

Allow stiffening. Take up mechanically.

6.4. Reference to other sections

See section 7 for further information on safe handling.
For further information on personal protective equipment: see section 8.
For further information on disposal: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

General ventilation. Avoid contact with skin, eyes and clothes. When using do not eat, drink, smoke, sniff. Follow the instructions for use on the label.

Advices on general occupational hygiene

The usual precautions when handling chemicals must be observed. Do not eat, drink, smoke or snort while working. Do not inhale dust/fume/mist. Keep away from food, drink and animal feed. Wash hands before breaks and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Do not store product in passageways and stairways. Keep/Store only in original container.

Storage class (TRGS 510, Germany): 13 – Non-combustible solids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Store at room temperature. Store in a dry place.

7.3. Specific end use(s)

Recommendation:

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT)	**O,O',O''-(methylsilylidin)trioxim-2-pentanon** EC No.: 484-460-1	① 0.05 mg/m³ ② 0.05 mg/m³ ⑤ (einatembare Fraktion, Momentanwert, kann über die Haut aufgenommen werden) H, S
MAK (AT)	**2-octyl-2H-isothiazol-3-one** CAS No.: 26530-20-1 EC No.: 247-761-7	① 0.05 mg/m³ ② 0.05 mg/m³ ⑤ (einatembare Fraktion, Momentanwert, kann über die Haut aufgenommen werden) H, S

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
O,O',O''-(methylsilylidin)trioxim-2-pentanon EC No.: 484-460-1	0.2292 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
O,O',O''-(methylsilylidin)trioxim-2-pentanon EC No.: 484-460-1	0.057 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
O,O',O''-(methylsilylidin)trioxim-2-pentanon EC No.: 484-460-1	0.065 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
O,O',O''-(methylsilylidin)trioxim-2-pentanon EC No.: 484-460-1	0.033 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
O,O',O''-(methylsilylidin)trioxim-2-pentanon EC No.: 484-460-1	0.033 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
2-octyl-2H-isothiazol-3-one CAS No.: 26530-20-1 EC No.: 247-761-7	4 mg/m³	① DNEL worker ② Long-term – inhalation, local effects

Substance name	PNEC Value	① PNEC type
O,O',O''-(methylsilylidin)trioxim-2-pentanon EC No.: 484-460-1	0.1 mg/L	① PNEC aquatic, freshwater
O,O',O''-(methylsilylidin)trioxim-2-pentanon EC No.: 484-460-1	0.01 mg/L	① PNEC aquatic, marine water
O,O',O''-(methylsilylidin)trioxim-2-pentanon EC No.: 484-460-1	2.15 mg/L	① PNEC sewage treatment plant
O,O',O''-(methylsilylidin)trioxim-2-pentanon EC No.: 484-460-1	0.269 mg/kg	① PNEC sediment, freshwater

Substance name	PNEC Value	① PNEC type
O,O',O''-(methylsilylidin)trioxim-2-pentanon EC No.: 484-460-1	0.057 mg/kg	① PNEC sediment, marine water

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure good ventilation/extraction at the workplace. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. If this is not sufficient to keep the concentration below the occupational exposure limits (OEL), suitable respiratory protection must be worn. Applies only if exposure limit values are listed here. Appropriate assessment methods for checking the effectiveness of the protective measures taken include metrological and non-measured determination methods. Such methods are described by e.g. EN 14042, TRGS 402 (Germany). EN 14042 "Workplace atmospheres. Guidance for the application and use of methods and equipment for the determination of chemical and biological agents". TRGS 402 "Determining and assessing the hazards of activities involving hazardous substances - Inhalation exposure".

8.2.2. Personal protection equipment

Eye/face protection:

Safety goggles with side shields (EN 166).

Skin protection:

Hand protection:
Chemical resistant protective gloves (EN ISO 374).
Protective gloves made of butyl (EN ISO 374).
Protective gloves made of nitrile (EN ISO 374). Minimum layer thickness in mm: 0.5
Permeation time (breakthrough time) in minutes: 240
The breakthrough times determined according to EN 16523-1 were not carried out under practical conditions. A maximum wearing time corresponding to 50% of the breakthrough time is recommended.
Hand protection cream recommended.
Breakthrough times and swelling properties of the material must be taken into consideration. The selection of a suitable glove depends not only on the material but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.
Skin protection:
Protective work clothing (e.g. safety shoes EN ISO 20345, long-sleeved work clothing).

Respiratory protection:

Normally not required.
Filter A (EN 14387)
Observe the wear time limits as specified by the manufacturer.

Thermal hazards:

Not required.

Other protection measures:

The usual precautions when handling chemicals must be observed. Do not eat, drink, smoke or snort while working. Do not inhale dust/fume/mist. Keep away from food, drink and animal feed. Wash hands before breaks and at the end of work.

8.2.3. Environmental exposure controls

No further relevant information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Paste
Colour: beige
Odour: characteristic

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Safety relevant basis data

Parameter	Value	① Method ② Remark
Initial boiling point and boiling range	*No data available*	
Flash point	*not applicable*	
Evaporation rate	*No data available*	
Auto-ignition temperature	*not applicable*	
Upper/lower flammability or explosive limits	*not applicable*	
Vapour pressure	*No data available*	
Vapour density	*not applicable*	
Density	1.22 g/cm³	
Water solubility	Immiscible	

9.2. Other information
No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
The product has not been tested.

10.2. Chemical stability
Chemically stable under conditions of storage, handling and use.

10.3. Possibility of hazardous reactions
No dangerous reactions known.

10.4. Conditions to avoid
Strong heating, Humidity

10.5. Incompatible materials
Avoid contact with strong oxidising agents. Avoid contact with other chemicals.

10.6. Hazardous decomposition products
No decomposition when used as directed.

SECTION 11: Toxicological information

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

Toxicological information

Acute Toxicity Estimate for Mixtures
ATE (oral): >2,000 mg/kg
O,O',O''-(methylsilylidin)trioxim-2-pentanon EC No.: 484-460-1
LD_{50} oral: 1,234 mg/kg (Ratte) OECD 425
2-octyl-2H-isothiazol-3-one CAS No.: 26530-20-1 EC No.: 247-761-7
ATE (oral)[1]: 125 mg/kg
ATE (dermal)[1]: 311 mg/kg
ATE (inhalation, dust/mist)[1]: 0.27 mg/L
LD_{50} oral: 125 mg/kg (Rat) OECD 401
LD_{50} dermal: 311 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (dust/mist): >0.139 mg/L (Rat) OECD 402

[1]: Acute Toxicity Estimate. Harmonised (legal) classification.

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

Acute inhalation toxicity:
Based on available data, the classification criteria are not met.

Skin corrosion/irritation:
non-irritant.

Serious eye damage/irritation:
Causes eye irritation.

Respiratory or skin sensitisation:
not sensitising.

Germ cell mutagenicity:
negative

Carcinogenicity:
negative

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:
The product does not contain any substances with endocrine-disrupting properties.

SECTION 12: Ecological information

12.1. Toxicity

O,O',O''-(methylsilylidin)trioxim-2-pentanon EC No.: 484-460-1
LC_{50}: >113 mg/L 28 d (fish, Oncorhynchus mykiss) OECD 203
EC_{50}: 88 mg/L 2 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 202
NOEC: 32 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 202
NOEC: 113 mg/L 4 d (fish, Oncorhynchus mykiss) OECD 203
NOEC: ≥100 mg/L 2 d (Algae/water plant, Daphnia magna) OECD 202
EC_{50}: >100 mg/L 2 d (Algae/water plant, Daphnia magna) OECD 202
2-octyl-2H-isothiazol-3-one CAS No.: 26530-20-1 EC No.: 247-761-7
LC_{50}: 0.047 mg/L 4 d (fish, Oncorhynchus mykiss)
NOEC: 0.003 mg/L 21 d (crustaceans, Daphnia magna) OECD 202
IC_{50}: 9 mg/L 4 d (crustaceans) OECD 301
NOEC: 0.0085 mg/L (fish, Pimephales promelas)
EC_{50}: 0.32 mg/L 2 d (Algae/water plant, Daphnia magna)
ErC_{50}: 0.000224 mg/L 2 d (Algae/water plant, Navicula pelliculosa) OECD 201
EC_{50}: 0.00129 mg/L 3 d (Algae/water plant, Navicula pelliculosa) OECD 201

Aquatic toxicity:
Based on available data, the classification criteria are not met.

Sediment toxicity:
Based on available data, the classification criteria are not met.

Assessment/classification:
Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Abiotic degradation:
Based on available data, the classification criteria are not met.

Biodegradation:
Based on available data, the classification criteria are not met.

12.3. Bioaccumulative potential

O,O',O''-(methylsilylidin)trioxim-2-pentanon EC No.: 484-460-1
Log K_{OW}: 1.25

Bioconcentration factor (BCF):
Based on available data, the classification criteria are not met.

12.4. Mobility in soil
Based on available data, the classification criteria are not met.

12.5. Results of PBT and vPvB assessment

O,O',O''-(methylsilylidin)trioxim-2-pentanon EC No.: 484-460-1
Results of PBT and vPvB assessment: —
2-octyl-2H-isothiazol-3-one CAS No.: 26530-20-1 EC No.: 247-761-7
Results of PBT and vPvB assessment: —

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties
The product does not contain any substances with endocrine-disrupting properties.

12.7. Other adverse effects
None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

07 02 17	waste containing silicones other than those mentioned in 07 02 16
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

Waste code packaging

15 01 02	Plastic packaging

Waste treatment options

Appropriate disposal / Product:
Disposal via waste water is not recommended. Observe local regulations. For example, suitable incineration plant. Cured product: Can be disposed of with household waste.

Appropriate disposal / Package:
Uncleaned packaging: Observe local regulations. Empty container completely. Non-contaminated packaging can be reused. Packaging that cannot be cleaned must be disposed of in the same way as the substance.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

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

15.1.1. EU legislation

Restrictions on use:
Observe national regulations/laws on maternity protection (especially the national implementation of Directive 92/85/EEC)! The general hygiene measures for handling chemicals must be applied. Regulation (EU) No. 649/2012 "concerning the export and import of dangerous chemicals" must be observed, as the product contains a substance that falls within the scope of this regulation.

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:
Volatile organic compounds (VOC) content in percent by weight: 0.9 weight-%

15.1.2. National regulations
No data available

15.2. Chemical Safety Assessment
A chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1. Indication of changes
No data available

16.2. Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
EN	European Standard
EWC	European Waste Catalogue
IC_{50}	Inhibition Concentration 50 %
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
KG	body weight
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OEL	Threshold Limit Value

PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations
VOC	Volatile organic compounds

16.3. Key literature references and sources for data
No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Supplemental hazard information	
EUH071	Corrosive to the respiratory tract.

16.6. Training advice
No data available

16.7. Additional information
To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.