

SAFETY DATA SHEET

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

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

1.1. Product identifier

Trade name/designation:

Sil Tech A transparent 310ml

Article No.:

T576101

UFI:

X6FD-RN99-Y83F-XWXF

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

Use of the substance/mixture:

Water and weatherproofing

1.3. Details of the supplier of the safety data sheet

Supplier:

KANDO Service GmbH

Hartleitnerstraße 3

4653 Eberstälzell

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]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aspiration hazard (<i>Asp. Tox. 1</i>)	H304: May be fatal if swallowed and enters airways.	
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	

2.2. Label elements

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

Hazard pictograms:



GHS05
Corrosion



GHS08
Health hazard

Signal word: Danger

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Hazard components for labelling:

Distillates (petroleum), hydrotreated middle (Note N); triacetoxyethylsilane; methylsilanetriyl triacetate

Hazard statements for health hazards

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Hazard statements for environmental hazards

H412	Harmful to aquatic life with long lasting effects.
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Precautionary statements Prevention

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing and eye protection/face protection.

Precautionary statements Response

P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331	Do NOT induce vomiting.

Precautionary statements Storage

P405	Store locked up.
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Precautionary statements Disposal

P501	Dispose of contents/container to an appropriate recycling or disposal facility.
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2.3. Other hazards

Other adverse effects:

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

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
CAS No.: 64742-46-7 EC No.: 265-148-2	Distillates (petroleum), hydrotreated middle (Note N) Acute Tox. 4 (H332), Aquatic Chronic 2 (H411), Asp. Tox. 1 (H304), Skin Irrit. 2 (H315) Danger	20 - 25 weight-%
CAS No.: 17689-77-9 EC No.: 241-677-4	triacetoxyethylsilane Acute Tox. 4 (H302), Eye Dam. 1 (H318), Skin Corr. 1B (H314) Danger	1 - 5 weight-%
CAS No.: 4253-34-3 EC No.: 224-221-9	methylsilanetriyl triacetate Acute Tox. 4 (H302), Eye Dam. 1 (H318), Skin Corr. 1B (H314) Danger	1 - 5 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:

Call a physician immediately. Make safety data sheet available to the doctor.

Following inhalation:

Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person

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by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.

In case of skin contact:

Wash with plenty of water. Use suitable lotion to moisturise skin.

After eye contact:

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes. Do not rub eye.

Following ingestion:

Rinse mouth thoroughly with water. Stop if the affected person feels sick as vomiting may be dangerous. Avoid vomiting and stomach flushing because of the risk of aspiration. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway.

Self-protection of the first aider:

First aid personnel should wear appropriate protective equipment during any rescue. If it is suspected that volatile contaminants are still present around the affected person, first aid personnel should wear an appropriate respirator or self-contained breathing apparatus. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

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

See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation: Prolonged inhalation of high concentrations may damage respiratory system. Ingestion: May cause irritation. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. Skin contact: Redness. Irritating to skin. Eye contact: Causes serious eye damage. Pain. Corneal damage.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

The product is not flammable.

Carbon dioxide, alcohol resistant foam, Dry extinguishing powder, Water mist

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media:

Water jet

5.2. Special hazards arising from the substance or mixture

Heating causes rise in pressure with risk of bursting.

Hazardous combustion products:

Gases or vapours harmful to health.

5.3. Advice for firefighters

Protective measures during firefighting: Avoid inhalation of fire gases or fumes. Clear the surrounding area. Cool containers exposed to heat with water spray and remove from fire area if safe to do so. If leaked or spilled material has not ignited, use water mist to disperse vapours and protect workers. Do not allow to enter into surface water or drains. In case of spillage into water or sewage system, inform the competent authorities.

Special protective equipment for fire fighters: Wear self-contained breathing apparatus operating in positive pressure mode (SCBA) and suitable protective clothing. Firefighters' clothing complying with European standard EN469 (including helmet, protective boots and protective gloves) will provide minimum protection in case of accidents with chemicals.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Do not take any action that is not properly trained or involves personal risk. Keep unnecessary and unprotected personnel away from the spill. Follow the precautions for safe handling described in this safety data sheet. Wash thoroughly after handling spilled material. Ensure procedures and training are in place for emergency decontamination and clean-up. Do not touch or walk on spilled material. Avoid inhalation of vapours and contact with skin and eyes.

Protective equipment:

Wear personal protection equipment (refer to section 8).

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For cleaning up:

Wear protective clothing as described in section 8 of this safety data sheet. Clean up spills immediately and dispose of waste safely. Small spills: Pick up spilled material. Large spills: Absorb spillage with non-combustible absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable disposal containers and close securely. Label containers containing waste and contaminated materials and remove them from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after handling spilled material. Hazardous to the environment. Do not allow to enter drains. For waste disposal, see section 13.

6.4. Reference to other sections

No data available

6.5. Additional information

For further information on personal protective equipment: see section 8.

For further information on health hazards: see section 11.

For further information on ecological hazards: see section 12.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Read and follow the manufacturer's recommendations. Wear protective clothing as described in section 8 of this safety data sheet. Keep away from food, drink and animal feed. Handle all packaging and containers carefully to avoid spillage. Keep containers tightly closed when not in use. Avoid formation of mist. Avoid discharge into the aquatic environment. Do not handle until all safety instructions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advices on general occupational hygiene

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Change contaminated, saturated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Keep locked up. Keep/Store only in original container. Keep container tightly closed in a cool, well-ventilated place. Store container upright. Protect containers from damage. Seal storage facilities to prevent soil and water contamination in the event of a spill. The floor of the storage room should be tight, seamless and non-absorbent.

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7.3. Specific end use(s)

Recommendation:

The identified uses for this product are listed in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure.

8.2.2. Personal protection equipment



Eye/face protection:

If a risk assessment indicates that eye contact is possible, protective eyewear complying with a recognised standard should be worn. Personal protective equipment providing adequate eye and face protection should be worn. Wear tight-fitting chemical splash goggles or face shield. If there is a risk of inhalation, a full face respirator may be required instead.

Skin protection:

Hand protection:

Chemical resistant impervious gloves complying with a recognised standard should be worn if a risk assessment indicates that skin contact is possible. The most appropriate glove should be selected in consultation with the manufacturer, who can provide information on the breakthrough time of the glove material. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resistant to decomposition. Taking into account the data provided by the glove manufacturer, check during use that the gloves retain their protective properties and change them as soon as deterioration is noticed. Frequent changing is recommended.

Body protection:

Appropriate footwear and additional protective clothing that meets a recognised standard should be worn if a risk assessment indicates that skin contamination is possible.

Respiratory protection:

If a risk assessment indicates that inhalation of harmful substances is possible, respiratory protection that conforms to a recognised standard should be worn. Ensure that all respiratory protective equipment is suitable for the intended use and bears the "UKCA" mark. Ensure that the respirator is tightly fitted and that the filter is changed regularly. Gas and combination filter cartridges suitable for the intended use should be used. Full facepiece respirators with replaceable filter cartridges suitable for the intended use should be used. Half and quarter masks with replaceable filter cartridges suitable for the intended use should be used.

Other protection measures:

General protective and hygienic measures:

Provide an eyewash station and a safety shower. Contaminated work clothes should not be worn outside the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area daily. Good personal hygiene measures should be carried out. Wash at the end of each work shift and before eating, smoking and going to the toilet. Do not eat, drink or smoke while working. Preventive occupational medical check-ups should be carried out. Warn cleaning personnel about the hazardous properties of the product.

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8.2.3. Environmental exposure controls

Keep container tightly closed.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Paste

Colour: transparent

Odour: Acetic acid

Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	No data available	
Melting point	No data available	
Freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	No data available	
Evaporation rate	No data available	
Auto-ignition temperature	No data available	
Upper/lower flammability or explosive limits	No data available	
Vapour pressure	No data available	
Vapour density	No data available	
Density	No data available	
Relative density	0.97	
Bulk density	not applicable	
Water solubility	No data available	
Dynamic viscosity	No data available	
Kinematic viscosity	No data available	

9.2. Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Gases or vapours harmful to health.

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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):	10,416.67 mg/kg
ATE (inhalation, vapour):	45.83 mg/L
Distillates (petroleum), hydrotreated middle (Note N)	CAS No.: 64742-46-7 EC No.: 265-148-2
ATE (inhalation, vapour):	11 mg/L
triacetoxymethylsilane	CAS No.: 17689-77-9 EC No.: 241-677-4
ATE (oral):	500 mg/kg
methylsilanetriyl triacetate	CAS No.: 4253-34-3 EC No.: 224-221-9
ATE (oral):	500 mg/kg

Acute oral toxicity:

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

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:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitisation:

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

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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

STOT-single exposure:

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

STOT-repeated exposure:

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

Aspiration hazard:

May be fatal if swallowed and enters airways. Pneumonia can result if vomited solvent-containing material enters the lungs.

11.2. Information on other hazards

Endocrine disrupting properties:

No further relevant information available.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

Harmful to aquatic organisms with long lasting effects.

Additional ecotoxicological information:

Dangerous for the environment if discharged into watercourses.

12.2. Persistence and degradability

Additional information:

No further relevant information available.

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12.3. Bioaccumulative potential

Accumulation / Evaluation:

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

Distillates (petroleum), hydrotreated middle (Note N) CAS No.: 64742-46-7 EC No.: 265-148-2
Results of PBT and vPvB assessment: —
triacetoxylethylsilane CAS No.: 17689-77-9 EC No.: 241-677-4
Results of PBT and vPvB assessment: —
methylsilanetriyl triacetate CAS No.: 4253-34-3 EC No.: 224-221-9
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

None known.

12.7. Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code packaging

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 treatment options

Appropriate disposal / Product:

Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

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

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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

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Authorisations:

Health and Safety at Work etc. Act 1974 (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
NFPA	National Fire Protection Association
PBT	persistent and bioaccumulative and toxic
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
UN	United Nations

16.3. Key literature references and sources for data

No data available

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16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aspiration hazard (<i>Asp. Tox. 1</i>)	H304: May be fatal if swallowed and enters airways.	
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	

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

Hazard statements	
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.

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.