

TECPO

Silikonentferner_EN

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

1.1. Product identifier

Trade name

TECPO Silikonentferner_EN

Article No.

300426

UFI code

CX0U-PUAJ-W00S-3VTS

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

Product type

PC35 - Washing and cleaning products (including solvent based products).

Relevant identified uses

Preparation

Application:

SU21 - Consumer uses: Private households (= general public = consumers).

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen).

Process category:

PROC7 - Industrial spraying.

PROC11 - Non industrial spraying.

Not suitable for use in

No further relevant information available.

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1.3. Details of the supplier of the safety data sheet

Supplier

TECPO GmbH

Address

Dreherstraße 16-20

42899 Remscheid

Germany

Telephone

+49 2191 951 3305

Email

info@tecpo.de

Fax

+49 2191 951 33044

Web site

www.tecpo.de

Contact person

Baris Ünsal

1.4. Emergency telephone number

Poison center/Additional emergency number

+49 (0) 89 19240 (Available 24/7) - Poison Emergency Call Munich (Available for the public.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Aerosol, Hazard category 1

Eye irritation, hazard category 2

Specific Target Organ Toxicity — Single exposure, hazard category 3 - narcosis

Hazardous to the aquatic environment — Chronic hazard category 2

Hazard statements

H222, H229, H319, H336, H411

Description

The product is classified and labeled according to the CLP regulation.

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2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Supplemental hazard statements

EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P260 Do not breathe aerosol.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container to dispose of in accordance with local / regional / national / international regulations.

More information

Hazard-determining components of labeling:
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes
propan-2-ol

2.3. Other hazards

Formation of explosive mixtures possible without adequate ventilation.

Other

This product does not contain any PBT or vPvB substances.

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

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrases M factor acute M factor chronic	Specific concentration limits ATE	Note
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes	- 920-750-0 01-2119473851-33 -	50 - <75%	Flam. Liq. 2, Asp. Tox. 1, STOT SE 3 - narcois, Aquatic Chronic 2	H225, H304, H336, H411, EUH066 - -		-
propane	74-98-6 200-827-9 01-2119486944-21 601-003-00-5	12,5 - <20%	Flam. Gas 1A, Press. Gas - Liquefied gas	H220, H280 - -		-
propan-2-ol	67-63-0 200-661-7 01-2119457558-25 603-117-00-0	10 - <12,5%	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 - narcois	H225, H319, H336 - -		-
isobutane (containing < 0,1 % butadiene (203-450-8))	75-28-5 200-857-2 01-2119485395-27 601-004-00-0	5 - <10%	Flam. Gas 1A, Press. Gas - Compressed gas	H220, H280 - -		-
butane (containing < 0,1 % butadiene (203-450-8))	106-97-8 203-448-7 01-2119474691-32 601-004-01-8	5 - <10%	Flam. Gas 1A, Press. Gas	H220, H280 - -		-

Product based on

Mixture of listed substances with non-hazardous additions.

Substance additional information

The content of benzene (EINECS No. 200-753-7) in the individual components is below 0.1% (Note P Annex VI to Directive (EC) No. 1272/2008).

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Supply fresh air, consult a doctor in case of complaints.

Skin contact

In general, the product is not irritating to the skin.

Eye contact

Rinse opened eye for several minutes under running water. If symptoms persist consult a doctor if symptoms persist.

Ingestion

Drink plenty of water and get fresh air. Consult a doctor immediately.

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

No further relevant information available.

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

In case of fire: Use alcohol resistant foam, carbon dioxide, dry powder or water fog to extinguish. Adapt fire extinguishing measures to the surroundings.

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

Formation of toxic gases when heated or in case of fire.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Put on the breathing apparatus.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Put on the breathing apparatus.

Wear protective equipment. Keep unprotected persons away. Keep ignition sources away.

6.2. Environmental precautions

If the product enters the sewage system/surface water/groundwater, inform the responsible authority.

Do not allow to enter drains/surface water/ground water.

6.3. Methods and material for containment and cleaning up

Dispose of contaminated material as waste according to section 13. Ensure sufficient ventilation.

6.4. Reference to other sections

See SECTIONS 7+8+13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Ensure good ventilation/extraction at the workplace.

Notes on fire and explosion protection:

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - do not smoke.

Have breathing apparatus ready.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers:

The official regulations for the storage of pressurized aerosols must be observed.

Storage instructions:

Not required.

Further information on storage conditions:

Keep containers tightly closed.

Storage class according to TRGS 510: 2B Compressed gas packs (aerosol dispensers)

7.3. Specific end use(s)

No further relevant information available.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits

Additional information: The lists valid at the time of preparation were used as a basis.

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m ³	Source	Remark	Year
isobutane (containing < 0,1 % butadiene (203-450-8))	75-28-5 200-857-2	1000 / 2400	TRGS 900	4(II); DFG	-
propane	74-98-6 200-827-9	1000 / 1800	TRGS 900	4(II); DFG	-
butane (containing < 0,1 % butadiene (203-450-8))	106-97-8 203-448-7	1000 / 2400	TRGS 900	4(II); DFG	-
propan-2-ol	67-63-0 200-661-7	200 / 500	TRGS 900	2(II) ; DFG, Y	-

Biological limit values

Product/Sub- stance name CAS No.	Parameter	Limit value	Test material	Sampling time	Source	Remark	Date
propan-2-ol 67-63-0	Acetone.	25 mg/L	Urine	End of exposure or end of shift	TRGS 903		
propan-2-ol 67-63-0	Acetone.	25 mg/L	Whole blood	End of exposure or end of shift	TRGS 903		

DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
propan-2-ol (67-63-0/200-661-7)	DNEL	Chronic (long term) Oral	26 mg/kg bw/day	Consumers	Systemic
propan-2-ol (67-63-0/200-661-7)	DNEL	Chronic (long term) Dermal	888 mg/kg bw/day	Workers	Systemic
propan-2-ol (67-63-0/200-661-7)	DNEL	Chronic (long term) Dermal	319 mg/kg bw/day	Consumers	Systemic
propan-2-ol	DNEL	Chronic (long term)	500 mg/m ³	Workers	Systemic

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Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
(67-63-0/200-661-7)		Inhalation			
propan-2-ol (67-63-0/200-661-7)	DNEL	Chronic (long term) Inhalation	89 mg/m ³	Consumers	Systemic

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
propan-2-ol (67-63-0/200-661-7)	PNEC	Freshwater	140,9 mg/l
propan-2-ol (67-63-0/200-661-7)	PNEC	Marine water	140,9 mg/l
propan-2-ol (67-63-0/200-661-7)	PNEC	Intermittent releases (freshwater)	140,9 mg/l
propan-2-ol (67-63-0/200-661-7)	PNEC	Sewage Treatment Plant	2251 mg/l
propan-2-ol (67-63-0/200-661-7)	PNEC	Sediment (freshwater)	552 mg/kg
propan-2-ol (67-63-0/200-661-7)	PNEC	Sediment (marine water)	552 mg/kg

8.2. Exposure controls

Appropriate engineering controls

see SECTION 7.

Personal Protective Equipment Symbols



Eye / face protection

Tightly sealed safety goggles

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Hand protection

Wear protective gloves.

Glove material: Butyl rubber.

The selection of a suitable glove depends not only on the material but also on other quality features and varies from manufacturer to manufacturer. Since 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.

Penetration time of the glove material:

Butyl rubber gloves with a material thickness of 0.4 mm are resistant to:

Aceton 480 min

Butylacetat 60 min

Ethylacetat 170 min

Xylol 42 min

Gloves made of butyl rubber with a thickness of 0.4 mm are resistant to solvents for 42 - 480 minutes.

As a precautionary measure, we recommend that users and those responsible for occupational safety take a resistance of 42 minutes as a basis. Taking into account the information in chapter 3 of the SDS, it is possible to assume a higher resistance in individual cases.

Respiratory protection

For short-term or low exposure use breathing filter device; for intensive or prolonged exposure use self-contained breathing apparatus.

Filter A2/P3

Environmental exposure controls

The uncontrolled release of the product into the environment must be avoided.

Other

General protective and hygiene measures:

Keep away from food, drink and animal feeding stuffs.

Remove soiled, soaked clothing immediately. Wash hands before breaks and at the end of work.

Do not inhale gases/vapors/aerosols. Avoid contact with eyes and skin.

Avoid contact with eyes.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Aerosol

Colour

Clear.

Odour

by solvent

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Odour threshold

Not determined.

Melting point / freezing point

Not determined.

Boiling point or initial boiling point and boiling range

Not applicable as aerosol.

Flammability

Not applicable.

Lower and upper explosion limit

Lower: 0.6% by volume; Upper: 12% by volume

Flash point

Not applicable as aerosol.

Auto-ignition temperature

> 200 °C

Method

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclenes

Decomposition temperature

Not determined.

pH

Mixture is insoluble in water.

Kinematic viscosity

Not determined.

Viscosity, dynamic

Not determined.

Solubility

No data available

Water solubility

Not or only slightly miscible.

Partition coefficient n-octanol/water

Not determined.

Vapour pressure

3500 hPa

Method

@ 20 °C

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Density and/or relative density

0,7 g/cm³

Method

@ 20 °C

Relative density

Not determined.

Relative vapour density

Not determined.

Evaporation Rate

Not applicable.

Explosive properties

Not determined.

Oxidising properties

Not applicable.

VOC %

100 %

Particle characteristics

No data available

Information on basic physical and chemical properties

Extremely flammable aerosol. Pressurised container: May burst if heated.

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

No decomposition when used as intended.

10.3. Possibility of hazardous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

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10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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

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

Acute toxicity

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

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals
propan-2-ol 67-63-0 / 200-661-7	LC50	>25 mg/l	Inhalative	6 hours	Rat
propan-2-ol 67-63-0 / 200-661-7	LD50	5840 mg/kg	Oral	-	Rat
propan-2-ol 67-63-0 / 200-661-7	LD50	13900 mg/kg	Dermal	-	Rabbit

Skin corrosion/irritation

Based on available data, the classification criteria are not met. No irritant effect.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met. No sensitizing effect known.

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

May cause drowsiness or dizziness.

STOT-repeated exposure

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

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Aspiration hazard

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

11.2. Information on other hazards

Endocrine disrupting properties

None of the ingredients are included.

SECTION 12: Ecological information

12.1. Toxicity

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
propan-2-ol 67-63-0 / 200-661-7	LC50	9640 mg/l	96 hours	Pimephales promelas (Fat-head Minnow)

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
propan-2-ol 67-63-0 / 200-661-7	LC 50	9714 mg/l	24 hours	Daphnia magna

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

Mobility

No further relevant information available.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

Toxic to fish.



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Version number: 1.0
Issued: 2026-07-07

Other

Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also toxic to fish and plankton in water.
Toxic to aquatic organisms.

German Water Class

WGK2 - significantly water endangering

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Must not be disposed of together with household waste. Do not allow to enter drains.
Disposal in accordance with official regulations.

Packaging

Uncleaned packaging: Disposal in accordance with official regulations.

Waste code	Waste description
15 01 04	metallic packaging
20 01 13*	Solvents

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

SECTION 14: Transport information

14.1. UN number

1950

14.2. UN proper shipping name

ADR / RID / ADN proper shipping name

AEROSOLS, flammable

IMDG proper shipping name

AEROSOLS

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14.3. Transport hazard class(es)

Label

ADR/RID/ADN



2.1 Environmental hazard

IMDG



2.1 Environmental hazard

ADR / RID Class

2

Tunnel restriction code: D

Transportation category: 2

ADR / RID Classification code

5F

IMDG Class

2

14.4. Packing group

ADR: -

IMDG: -

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS

IMDG Marine Pollutant

ENVIRONMENTALLY HAZARDOUS

14.6. Special precautions for user

Caution: Flammable gases.

IMDG EmS

F-D, S-U

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

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Other

Additional information ADR-RID

Limited quantity: 1 L
Exempted quantity E0

Additional information IMDG

Limited quantity: 1 L
Exempted quantity E0

SECTION 15: Regulatory information

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

EU regulations

Directive 2012/18/EU - Named dangerous substances - ANNEX I
None of the ingredients are included.

Information on the SEVESO III Directive 2012/18/EU:
P3a FLAMMABLE AEROSOLE
E2 Hazardous to the aquatic environment

REGULATION (EU) 2019/1021 on persistent organic pollutants (POPs)
None of the ingredients are included.

The product is subject to the following restrictions according to Annex XVII, Regulation (EC)
1907/2006 (REACH): 3

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and
electronic equipment - Annex II
None of the ingredients are listed.

National regulations

Technical guidance on air:
Class Proportion in % No ingredients of classes I - III TA Luft No. 5.2.7.1

Water hazard class (WGK): 2, significantly hazardous to water.

Storage class: 2B Compressed gas packs (aerosol dispensers)

Substances of Very High Concern (SVHC) according to REACH, Article 57:
None of the ingredients are listed.

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations

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

AGW - Occupational Exposure Limit (Arbeitsplatzgrenzwert)

ATE - Acute Toxicity Estimate

AwSV - Ordinance on Installations for Handling Substances Hazardous to Water

C&L - Einstufung und Kennzeichnung

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

CSR - Chemical Safety Report

DNEL - Derived No Effect Level

ECHA - European Chemicals Agency

GefStoffV - Hazardous Substances Ordinance (Gefahrstoffverordnung)

GHS - Globally Harmonized System

IMDG - International Maritime Dangerous Goods

International Air Transport Association

IUCLID - International Uniform Chemical Information Database

Kow - octanol-water partition coefficient

LC50 - Lethal Concentration to 50 % of a test population

LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)

LGK - Storage Class (Lagerklasse)

OEL - Occupational Exposure Lim

PBT - Persistent, Bioaccumulative and Toxic substance

PNEC - Predicted No Effect Concentration(s)

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

RID - Regulations concerning the International Carriage of Dangerous Goods by Rail

SCBA - Self-Contained Breathing Apparatus

STOT - Specific Target Organ Toxicity

SVHC - Substances of Very High Concern

TRGS - Technische Regeln für Gefahrstoffe

UFI - Unique Formula Identifier

vPvB - Very Persistent and Very Bioaccumulative

WGK - Water Hazard Class (Wassergefährdungsklasse)

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Phrase meaning

Aerosol 1 - Aerosol, Hazard category 1

Eye Irrit. 2 - Eye irritation, hazard category 2

STOT SE 3 - narcosis - Specific Target Organ Toxicity — Single exposure, hazard category 3 - narcosis

Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2

Flam. Gas 1A - Flammable gases, hazard category 1A

Press. Gas - Compressed gas - Gases under pressure, Compressed gas

Press. Gas - Liquefied gas - Gases under pressure, Liquefied gas

Press. Gas - Gases under pressure

Flam. Liq. 2 - Flammable liquids, hazard category 2

Asp. Tox. 1 - Aspiration hazard, hazard category 1

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H225 Highly flammable liquid and vapour.

H229 Pressurised container: May burst if heated

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

Other

Additional information

The information is based on our current state of knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship. The recipient of our products is responsible for observing existing laws and regulations. The information in this safety data sheet corresponds to the best of our knowledge at the time of printing. The information is intended to provide you with guidelines for the safe handling of the product mentioned in this safety data sheet during storage, processing, transportation and disposal. The information is not transferable to other products. If the product is mixed, blended or processed with other materials processed or subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise.

Manufacturer's notes

The data of the relevant components were taken from the latest safety data sheet of the upstream supplier.