

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Silicone Remover (German: Silikonentferner)

Print date: 16.03.2016

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

1.1. Product identifier

Silicone Remover (German: Silikonentferner)

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

Use of the substance/mixture

Special Cleaner

Uses advised against

Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet

Company name:	POLYTOP GmbH	
Street:	Langenselbolder Str. 8	
Place:	D-63543 Neuberg	
Telephone:	+49-6183-80014-0	Telefax: +49-6183-80014-14
e-mail (Contact person):	info@polytop.de	
Internet:	www.polytop.de	
Responsible Department:	Zentrale Tel. +49-6183-80014-0	

1.4. Emergency telephone number:

Vergiftungsinformationszentrale Österreich Tel. +43 (0) 1 406 43 43

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 2

Skin corrosion/irritation: Skin Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Aspiration hazard: Asp. Tox. 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Highly flammable liquid and vapour.

Causes skin irritation.

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

Toxic to aquatic life with long lasting effects.

Accumulation in closed or lower lying rooms signifies heightened risk of fire or explosion.

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

aliphatic hydrocarbons

Signal word: Danger

Pictograms:



Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

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H336	May cause drowsiness or dizziness.
H304	May be fatal if swallowed and enters airways.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take precautionary measures against static discharge.
P261	Inhalation of vapours or spray/mists
P273	Avoid release to the environment.
P280	Wear suitable gloves and eye/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

Additional advice on labelling

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

2.3. Other hazards

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

EU 648/2004: aliphatic hydrocarbons >30%, perfumes (free of allergens 2003/15/EU), Additional information: -

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
64742-49-0	naphtha (petroleum), hydrotreated light, Note J+P Annrx VI (EG1272/2008)			>80 %
	265-151-9			
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
110-54-3	n-hexane			<5 %
	203-777-6	601-037-00-0		
	Flam. Liq. 2, Repr. 2, Asp. Tox. 1, STOT RE 2, Skin Irrit. 2, STOT SE 3, Aquatic Chronic 2; H225 H361f *** H304 H373 ** H315 H336 H411			
64742-48-9	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (<0,1% benzene)			1-5 %
	927-241-2		01-2119471843-32	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 3; H226 H336 H304 H412 EUH066			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

If victim is at risk of losing consciousness, position and transport on their side.

Remove affected person from the danger area and lay down.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.



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After contact with skin

After cleaning apply high-fat content skin care cream.

Take off immediately all contaminated clothing, including underwear and shoes .

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Do NOT induce vomiting.

Have victim drink large quantities of water, with active charcoal if possible.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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

Following inhalation:

The following symptoms may occur: Headache. Dizziness. Nausea. Sweating. drowsiness.

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

Give activated carbon, in order to reduce the resorption in the gastro-enteric tract.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam.

Extinguishing powder.

Water spray.

Atomized water.

Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

High power water jet.

5.2. Special hazards arising from the substance or mixture

hydrocarbons.

Pyrolysis products, toxic.

The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

In case of fire and/or explosion do not breathe fumes.

Burning produces heavy smoke.

Use water spray jet to protect personnel and to cool endangered containers.

Contaminated fire-fighting water must not get into the sewerage network.

Remove product from area of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

Ventilate affected area.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

6.3. Methods and material for containment and cleaning up

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

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Collect in closed containers for disposal.

Ventilate affected area.

6.4. Reference to other sections

Vapours are heavier than air and will spread at floor level.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation of aerosol.

Ventilate affected area.

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking.

Take precautionary measures against static discharges.

The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Oxidizing agents.

Further information on storage conditions

Recommended storage temperature: up to °C: 30

7.3. Specific end use(s)

Special Cleaner

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
110-54-3	n-Hexane	20	72		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

Additional advice on limit values

MAK-Werte für Österreich (GKV §6, Stand 01.09.2012):

200 ml/m³

(Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von weniger als 1 %, an n-Hexan von weniger als 5 % und an Cyclo-/Isohexanen von weniger als 25 %)

8.2. Exposure controls

Protective and hygiene measures

Do not breathe gas/vapour/aerosol.

Avoid contact with eyes.

Work in well-ventilated zones or use proper respiratory protection.

Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream.

Eye/face protection

Recommendation: bottling and transfer. Tightly sealed safety glasses.

Hand protection

Tested protective gloves are to be worn:



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PVC (Polyvinyl chloride). NBR (Nitrile rubber). PVC (Polyvinyl chloride). PVA (Polyvinyl alcohol). Viton

Unsuitable material: CR (polychloroprenes, Chloroprene rubber). Butyl rubber. NR (Natural rubber (Caoutchouc), Natural latex).

Skin protection

Body protection: not required.

Respiratory protection

Respiratory protection necessary at: insufficient ventilation. Insufficient absorption. high concentration.

Handling larger quantities.

Full-/Half-/Quarter-Masks (DIN EN 136/140). A

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless clear
Odour:	aliphatic hydrocarbons

Test method

pH-Value:	not applicable
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Changes in the physical state

Initial boiling point and boiling range:	100-140 °C
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Flash point:	1 °C
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Explosive properties

In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits:	0,7 vol. %
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Upper explosion limits:	7,7 vol. %
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Oxidizing properties

not oxidizing.

Vapour pressure: (at 20 °C)	10 hPa
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Vapour pressure: (at 50 °C)	120 hPa
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Density (at 20 °C):	0,72-0,74 g/cm³
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Water solubility:	virtually insoluble
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Viscosity / dynamic:	<20,5 mPa·s
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Solvent content:	100
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9.2. Other information

Solid content:	0%
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This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

SECTION 10: Stability and reactivity

10.1. Reactivity

No risks worthy of mention.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

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10.3. Possibility of hazardous reactions

No risks worthy of mention.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

In use, may form flammable/explosive vapour-air mixture.

10.5. Incompatible materials

Oxidizing agents, strong.

10.6. Hazardous decomposition products

In case of fire may be liberated: Gases/vapours, toxic

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Harmful: may cause lung damage if swallowed. (pulmonary oedema.)

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
64742-49-0	naphtha (petroleum), hydrotreated light, Note J+P Annrx VI (EG1272/2008)			
	oral	LD50 >2000 mg/kg	Rat	
	dermal	LD50 >2000 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50 >20 mg/l	Rat	
64742-48-9	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (<0,1% benzene)			
	oral	LD50 >2000 mg/kg	Rat	
	dermal	LD50 >2000 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50 >5 mg/l	Rat	
	inhalative (4 h) aerosol	LC50 >5 mg/l	Rat	

Irritation and corrosivity

Irritating to skin.

Sensitising effects

no danger of sensitization.

Additional information on tests

Has de-greasing effect on the skin.

After cleaning apply high-fat content skin care cream.

SECTION 12: Ecological information

12.1. Toxicity



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CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
64742-49-0	naphtha (petroleum), hydrotreated light, Note J+P Annrx VI (EG1272/2008)				
	Acute fish toxicity	LC50	1-10 mg/l	96 h	
	Acute algae toxicity	ErC50	10-100 mg/l		
	Acute crustacea toxicity	EC50	1-10 mg/l	48 h	
110-54-3	n-hexane				
	Acute fish toxicity	LC50	2,5 mg/l	96 h	Pimephales promelas
					Geiger et al. 1990
64742-48-9	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (<0,1% benzene)				
	Acute fish toxicity	LC50	10-100 mg/l	96 h	
	Acute algae toxicity	ErC50	>100 mg/l		
	Acute crustacea toxicity	EC50	>100 mg/l	48 h	

12.2. Persistence and degradability

Abiotic degradation in Air.

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
110-54-3	n-hexane	3,9

12.4. Mobility in soil

Product is easily volatile.

Indication applies to the solvent.

12.5. 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. Other adverse effects

Product is difficult to dissolve in water.

Further information

Mechanical separation in a purification plant is possible.

Doesn't get into the sewage water as long as the process is carried out according to regulations.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Consult manufacturer about disposal.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Waste disposal number of waste from residues/unused products

140603 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08); waste organic solvents, refrigerants and foam/aerosol propellants; other solvents and solvent mixtures
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Water with tenside additive.

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

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SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Classification code: F1
 Special Provisions: 640D
 Limited quantity: 1 L
 Excepted quantity: E2
 Transport category: 2
 Hazard No: 33
 Tunnel restriction code: D/E

Other applicable information (land transport)

: 640D 649
 : 2
 : D1E
 : 3
 : E

Inland waterways transport (ADN)

14.1. UN number: UN3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (aliphatic hydrocarbons)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Classification code: F1
 Special Provisions: 640C
 Limited quantity: 1 L

Other applicable information (inland waterways transport)

E1
 E2

Marine transport (IMDG)

14.1. UN number: UN3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (aliphatic hydrocarbons)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3

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Special Provisions: -
 Limited quantity: 1 L
 EmS: F-E, S-D

Other applicable information (marine transport)

: 944
 : 223, 944, 955
 E1
 E2

Air transport (ICAO)

14.1. UN number: UN3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (aliphatic hydrocarbons)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
 Hazard label: 3



Special Provisions: A224
 Limited quantity Passenger: 1 L
 IATA-packing instructions - Passenger: 353
 IATA-max. quantity - Passenger: 5 L
 IATA-packing instructions - Cargo: 364
 IATA-max. quantity - Cargo: 60 L

Other applicable information (air transport)

: Y305
 : Y309
 E1
 Special provisions: A3 A224
 E2
 : Y341

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



Danger releasing substance: aliphatic hydrocarbons

14.6. Special precautions for user

Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

SECTION 15: Regulatory information

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

EU regulatory information



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2004/42/EC (VOC): Volatile organic compounds (VOC) content in percent by weight: 100

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)