

SAFETY DATA SHEET In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended		
SILICON REMOVER PROFESSIONAL		
Issue date: 04.10.2019	Revision: 02.06.2023	Page/pages: 1/10

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

1.1 Product identifier

Trade name: SILICON REMOVER PROFESSIONAL

Substance name: Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

CAS no: -

EC no: 920-750-0

Index no: -

REACH registration no: 01-2119473851-33-XXXX

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

Relevant identified uses: Silicone, oil and grease remover. Cleaning and degreasing of steel, aluminum, zinc, stainless steel and plastic.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Producer: EU

1.4 Emergency telephone number

112 (European emergency call)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Flammable liquids, cat.2; H225

Aspiration hazard, cat.1; H304

Specific target organ toxicity — single exposure, cat. 3, narcosis; H336

Hazardous to the aquatic environment — long-term (chronic hazard), cat.2; H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Hazard pictogram(s)::



Signal word: DANGER

Hazard statements:

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

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Precautionary statements:

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P331 Do NOT induce vomiting.

P501 Dispose of contents/container to in accordance with national regulation.

Supplemental hazard information:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains: Hydrocarbons C7-C9 n-alkanes, isoalkanes, cyclics (EC no: 920-750-0).

2.3 Other hazards

Substance does not meet the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH). Substance is not included in the list established in accordance with Article 59 for having endocrine disrupting properties, substance is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Prevent accumulation of static charge. Vapours may form explosive mixtures with air. Substance is not identified as having endocrine disrupting properties.

Section 3: Composition/information on ingredients

3.1 Substances

Name	Identifying numbers	Classification according to. regulation (EC) no 1272/2008	Concentration, %
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	CAS no: - EC no: 920-750-0 Index no: - REACH registration no: 01-2119473851-33-XXXX	Aspiration hazard, cat.1; H304 Specific target organ toxicity — Single exposure, cat. 3, Narcosis; H336 Flammable liquids, cat.2; H225 Hazardous to the aquatic environment — long-term (chronic hazard), cat.2; H411	100

For the full text of the H-Statements mentioned in this Section, see Section 16.

3.2. Mixtures– not applicable.

Section 4: First aid measures

4.1 Description of first aid measures

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Ingestion: DO NOT INDUCE VOMITING, immediately wash mouth with copious amounts of water, contact the doctor if you feel unwell.

Eye contact: remove contaminated clothing, wash skin with copious amounts of water and soap.

Skin contact: wash with copious amounts of water. If irritation occurs, get medical assistance.

Inhalation: move of the exposed individual from the area to fresh air, get medical assistance.

4.2 Most important symptoms and effects, both acute and delayed

Acute effects of exposure: exposure by inhalation to very high concentrations may irritate eyes, respiratory tract, cause headaches, dizziness, nausea or unconsciousness. SMALL AMOUNTS OF LIQUID ASPIRATED INTO THE LUNGS DURING INGESTION OR FROM VOMITING MAY CAUSE CHEMICAL PNEUMONITIS OR PULMONARY EDEMA.

Repeated or prolonged exposure effects: may dry the skin leading to discomfort and dermatitis.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately. This light hydrocarbon material, or a component, may be associated with cardiac sensitisation following very high exposures (well above occupational exposure limits) or with concurrent exposure to high stress levels or heart-stimulating substances like epinephrine. Administration of such substances should be avoided.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: water spray, carbon dioxide, dry chemical, foam.

Unsuitable extinguishing media: water jet.

5.2 Special hazards arising from the substance or mixture

May produce toxic fumes on combustion. Vapour is flammable and heavier than air. Vapour may travel across the ground and reach remote ignition sources, causing a flashback fire danger.

Vapours may form explosive mixtures with air.

5.3 Advice for the firefighters

Keep containers cool with water spray, and special protective equipment for firefighters.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: evacuate personnel to safety area.

For emergency responders: use nitrile gloves, cat. III, with min. 0,4 mm thickness, half-mask with type A respirator. For large spills use chemical resistant, antistatic protective clothing.

6.2 Environmental precautions

Keep away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up

Cover drains to contain a spill. Absorb small and large quantities of released substance. Dispose waste container as hazardous with appropriate described code to licensed waste contractor. Clean area where the spill occurred.

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6.4 Reference to other sections

For personal protective equipment, see Section 8.

Disposal considerations, see Section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Use personal protective equipment. Avoid contact with skin, DO NOT INHALE. Prevent from ignition sources. Use only outdoors or in a well-ventilated area (local exhaust ventilation). Prevent accumulation of static charge. Vapours may form explosive mixtures with air. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

7.2 Conditions for safe storage, including any incompatibilities

Store container closed in cool, well-ventilated area. Prevent accumulation of static charge.

7.3 Specific end use(s)

See section 1.2.

Section 8: Exposure controls/personal protection

8.1 Control parameters

An occupational exposure limit is not available. The recommendations given below are set by producer.

TWA, 8h = 226 ppm (1200mg/m³)

Standard EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents.

Strategy for testing compliance with occupational exposure limit values

PNEC, DNEL

DNEL

workers, inhalation exposure, long-term, repeated dose toxicity = 2035 mg/m³.

workers, dermal exposure, long-term, repeated dose toxicity = 773 mg/kg/day.

general population, inhalation exposure, long-term, repeated dose toxicity = 608 mg/m³.

general population, dermal exposure, long-term, repeated dose toxicity = 699 mg/kg/day.

general population, oral exposure, long-term, repeated dose toxicity = 699 mg/kg/day.

For hydrocarbon UVCBs, no single PNEC value is identified for the overall substance or used in risk assessment calculations. Therefore, no PNEC values are disclosed.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Use only outdoors or in a well-ventilated area (local exhaust ventilation).

8.2.2 Individual protection measures, such as personal protective equipment

a) **Eye/face protection:** goggles, EN166.

b) **Skin protection**

Hand protection: gloves, Standard EN374

Material: nitrile

Category: III

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Thickness: min. 0,4 mm (prolonged or repeated contact), for 1-5 min. contact 0,12 mm

Permeation breakthrough: minimum 480 minutes

Other: for small quantities the protection is not necessary. If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended of category III, type 3 or 4. EN 14605 - Protective clothing against liquid chemicals. Performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4]).

c) Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health use half-face filter respirator type A. Standard: EN14387 - Respiratory protective devices. Gas filter(s) and combined filter(s). Requirements, testing, marking.

8.3 Environmental exposure controls

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: liquid

Colour: colorless

Odour: slight, characteristic

Melting point/freezing point: not technically feasible

Boiling point or initial boiling point and boiling range: 106-140 °C

Flammability: ignitable

Lower and upper explosion limit:

Lower explosive limits: 0,9 % vol

Upper explosive limits: 7,0 % vol

Flash point: < 23 °C

Auto-ignition temperature: not determined

Decomposition temperature: not determined

pH: not determined

Kinematic viscosity: 5 – 1,3 mm²/s (25 °C)

Solubility: not soluble in water

Partition coefficient n-octanol/water (log value): not applicable

Vapour pressure: 2 kPa (20 °C)

Density and/or relative density: 740 kg/m³ (15 °C)

Relative vapour density: > 1

Particle characteristics: not applicable

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9.2 Other information

9.2.1. Information with regard to physical hazard classes

None.

9.2.2. Other safety characteristics

None.

Section 10: Stability and reactivity

10.1 Reactivity

Substance is stable under normal conditions of use.

10.2 Chemical stability

Substance is stable under normal conditions of use.

10.3 Possibility of hazardous reactions

Does not: react, polymerise, releasing excess pressure or heat, or creating other hazardous conditions.

10.4 Conditions to avoid

Ignition sources for example heat, sparks, open flames.

10.5 Incompatible materials

Oxidizing agents.

10.6 Hazardous decomposition products

May produce toxic fumes on combustion.

Section 11: Toxicological information

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

a) Acute toxicity

LD50, rat, ingestion > 5820 mg/kg

LC50, rat, inhalation > 23,3 mg/l

LD50, rabbit, skin > 2920 mg/kg

b) Skin corrosion/irritation

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

c) Serious eye damage/irritation

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

d) Respiratory or skin sensitization

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

e) Germ cell mutagenicity

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

f) Carcinogenicity

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

g) Reproductive toxicity

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

h) Specific target organ toxicity-single exposure

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In high concentrations it causes headaches, dizziness, nausea, hallucinations, cough, shortness of breath, respiratory tract irritation, impaired coordination, blurred vision, drowsiness or agitation.

i) Specific target organ toxicity-repeated exposure

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

j) Aspiration hazard

Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

Information on likely routes of exposure

Inhalation, ingestion.

Symptoms related to the physical, chemical and toxicological characteristics. Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute effects of exposure: exposure by inhalation to very high concentrations may irritate eyes, respiratory tract, cause headaches, dizziness, nausea or unconsciousness. SMALL AMOUNTS OF LIQUID ASPIRATED INTO THE LUNGS DURING INGESTION OR FROM VOMITING MAY CAUSE CHEMICAL PNEUMONITIS OR PULMONARY EDEMA.

Repeated or prolonged exposure effects: may dry the skin leading to discomfort and dermatitis..

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties

Substance is not included in the list established in accordance with Article 59 for having endocrine disrupting properties, substance is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

11.2.2. Other information

None.

Section 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

LL50, 96h, oncorhynchus mykiss, fish > 13,4 mg/l

EL50, 48h, daphnia magna, invertebrates = 3 mg/l

NOELR, 72h, pseudokirchneriella subcapitata, algae = 10 mg/l

LOEC, 21 days, daphnia magna, invertebrates = 0,32 mg/l

NOEC, 21 days, daphnia magna, invertebrates = 0,17 mg/l

12.2 Persistence and degradability

Expected to be readily biodegradable.

12.3 Bioaccumulative potential

Not determined.

12.4 Mobility in soil

Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.

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12.5 Results of PBT and vPvB assessment

Substance does not meet the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6 Endocrine disrupting properties

Substance is not included in the list established in accordance with Article 59 for having endocrine disrupting properties, substance is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7 Other adverse effects

No known.

Section 13: Disposal considerations

13.1 Waste treatment methods

Handling the product

Product residues should be disposed of by an authorized waste recipient. Waste code: waste producers need to assess the actual process used when generating the waste and its contaminants in order to assign the proper waste disposal code(s). Do not discharge into the sewage system, watercourses, groundwater and surface. Dispose of product residues by incineration.

Handling packaging waste

Recycling or incineration in incinerators is preferred. Used packaging can be reused after washing. The packaging containing the remains of the mixture should be disposed of in accordance with the regulations with the waste code below. Unemptied packaging containing the vapors of the mixture may pose a risk of explosion or fire. Do not cut, grind or weld the packaging without first emptying and cleaning it.

NOTE: Only completely emptied and cleaned packaging can be recycled!

Waste code: waste producers need to assess the actual process used when generating the waste and its contaminants in order to assign the proper waste disposal code(s).

07 01 04* other organic solvents, washing liquids and mother liquors

* hazardous waste

15 01 10* packaging containing residues of or contaminated by hazardous substances

* hazardous waste

Directive 2008/98/EC of The European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives (OJ L 312 22.11.2008, p. 3).

Section 14: Transport information

14.1 UN number or ID number: UN 3295

14.2 UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S.

14.3 Transport hazard class(es): 3/F1

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14.4 Packing group: II

14.5 Environmental hazards: toxic to aquatic life with long lasting effects.

14.6 Special precautions for user: highly flammable avoid any sources of ignition.

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

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

2. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

3. Commission regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

4. Commission decision of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste.

Substances subject to the authorization procedure - Annex XIV to Reg. (EC) No. 1907/2006 (REACH): not listed.

Substances of Very High Concern (SVHC) - Candidate List: not listed.

Restrictions on the production, placing on the market and use of certain hazardous substances, mixtures and articles - Annex XVII to Regulation (EC) No. 1907/2006 (REACH): not listed.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

Section 16: Other information

Full text of hazard statements::

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

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H412 Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms used in the safety data sheet:

PBT Persistent, bioaccumulative and toxic chemicals.

vPvB Very persistent and very bioaccumulative.

PNEC Predicted no effect concentration.

DNEL Derived no-effect level.

LD50 Lethal dose for 50%.

LC50 Lethal concentration for 50%.

EC50 Half maximal effective concentration.

LL50 Lethal load for 50%.

EL50 Effect load for 50%.

NOELR No observed effect loading rate.

LOEC Lowest observable effect concentration.

NOEC No observable effect concentration.

TWA Time weighted average.

The update applies to section: 2, 9, 11, 12, 13, 16.

Key literature references and sources for data:

1. Registration dossiers for components available at <https://echa.europa.eu> (access on date 16th of july 2018),
2. Safety data sheet for Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (EC no: 920-750-0) dated on 1st of june 2015.

Advice on any training appropriate for workers to ensure protection of human health and the environment: Training course should include the risks present and why the PPE is needed, use and storage of PPE. Most important symptoms and effects, both acute and delayed resulting from exposure to a substance.

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are also treated as aid to safety in transport, storage and usage of the product. This does not free the user from the responsibility of improper usage of the information above also of improper compliance with the law norms in the field.