SAFETY DATA SHEET

Slow Silicone remover

Release date: 30.05.2023
EN version: 1.0

The Safety Data Sheet complies with EC Regulation 1907/2006 of 18.12.2006 - REACH and 2020/878 of 18.06.2020.

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

1.1 Product identifier SOLL SIL Slow Silicone remover

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified use: silicone remover. For professional use in painting automotive.
Uses advised against: not specified

1.3 Details of the supplier of the safety data sheet

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1.4 Emergency telephone number Poison Control and Information Bureau. Tel: +370 5 236 2052 or +370 687 53378.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to 1272/2008
Flam. Liq. 3; H226
Asp. Tox. 1; H304
STOT SE 3; H336

Risk to human health
May be fatal if swallowed and enters through the respiratory tract. May cause drowsiness or dizziness.
Environmental risk
None.
Physical/chemical hazards
Flammable liquid and vapour.

2.2 Label elements
Contains: C9-C11 hydrocarbons, n-alkanes, isoalkanes, cyclic, <2% aromatics (EC: 919-857-5)

Pictograms:

Signal word: **Danger**

Hazard statements:
H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H336 - May cause drowsiness or dizziness.

Safety phrases:
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P331 - Do NOT induce vomiting.
P405 - Store locked up.

EUH066: Repeated exposure may cause skin drying or cracking.

2.3 Other hazards
REACH Annex XIII - Criteria for the identification of persistent, bioaccumulative and toxic substances (PBT) and very persistent and very bioaccumulative substances (vPvB) - the mixture does not contain substances meeting the PBT and vPvB criteria.

Substances with endocrine disrupting properties (according to the criteria of Commission Delegated Regulation (EU) 2017/2100, Commission Regulation (EU) 2018/605) - not applicable

SECTION 3: Composition/information on ingredients

3.1 Substances
Not applicable.

3.2 Mixtures
Hazardous components:

Product identifier	**Content [%]**	**Hazard class and category codes**	**Hazard statement codes and complementary phrases**	**- Specific concentration limit, - M-factor, - Estimated Acute Toxicity (ATE)**
C9-C11 hydrocarbons, n-alkanes, isoalkanes, cyclic, <2% aromatics CAS: - EC: 919-857-5 Index no: - REACH No.: 01-2119463258-33	80 - 95	Flam. Liq. 3 Asp. Tox. 1 STOT SE 3	H226 H304 H336 EUH066	-
N-butyl acetate* CAS: 123-86-4 EC: 204-658-1 Index no: 607-025-00-1 REACH No.: 01-2119485493-29-XXXX	5 - 10	Flam. Liq. 3 STOT SE 3	H226 H336 EUH066	-

For the full text of the H-phrases see section 16
*substances with a specified MRL

SECTION 4: First aid measures

4.1 Description of first aid measures
In case of skin contact:
Wash contaminated skin with soap and water, rinse thoroughly with water, contact a doctor if irritation, erythema occurs.
In case of eye contact:
Rinse eyes for several minutes (approx. 15) with plenty of water, keeping eyelids wide open. Avoid strong spray due to risk of corneal damage, contact a doctor.

Inhalation exposure:
In the event of dizziness or nausea, take the affected person out into the fresh air; if there is no rapid improvement, seek medical advice.
In case of ingestion:
Do not induce vomiting, seek medical attention immediately. Do not give anything by mouth to an unconscious person

4.2. Most important symptoms and effects, both acute and delayed
Skin contact: drying of skin, cracking, irritation.
Eye contact: possible irritation in case of direct contact.
Respiratory system: may cause intoxication, drowsiness, headaches and dizziness.
Gastrointestinal tract: chemical irritation of the mouth, throat and further gastrointestinal tract. After absorption, abdominal pain, nausea and vomiting may occur. There is a risk of aspiration into and damage to the lungs.

4.3. Indication of any immediate medical attention and special treatment needed
The decision on how to proceed is made by the doctor after assessing the condition of the victim.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media: alcohol-resistant foam or dry extinguishing powders (A,B,C), carbon dioxide (snow extinguisher), sand or earth, water mist. Use extinguishing methods appropriate to surrounding conditions.
Unsuitable extinguishing media: Strong jet of water.

5.2. Special hazards arising from the substance or mixture
Flammable liquid and vapour.
During a fire, toxic decomposition products containing, among other things, carbon monoxide are released when exposed to high temperatures.
Vapours are capable of forming explosive mixtures with air, are heavier than air, accumulate in depressions in the ground or in the lower parts of rooms - they can cause flashbacks.

5.3 Advice for firefighters
Cool containers in the fire area with a diffused water jet, if possible remove from the danger zone. Wear protective clothing and compressed air breathing apparatus in case of fire in an enclosed space. Do not allow extinguishing water to enter surface water, ground water or drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel: notify emergency services. Remove persons not involved in the emergency response from the danger area. Remove all potential sources of ignition.
For emergency responders: Ensure adequate ventilation, use protective gloves, wear protective footwear and protective clothing, use protective goggles or face mask in case of possible spillage of product. Do not inhale product vapours.

6.2. Environmental precautions
Prevent from spreading and getting into drains and water bodies.

6.3. Methods and material for containment and cleaning up
Prevent spreading and dispose of by collecting on absorbent material (sand, sawdust, diatomaceous earth, universal absorbent), place contaminated material in appropriately labelled containers for disposal in accordance with current legislation.

6.4 Reference to other sections
See section 13 of the fiche for handling of product waste.
For personal protective equipment, see section 8 of the fiche.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Use only in well-ventilated areas. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid spilling. Avoid inhaling product vapours.
Avoid sources of ignition, elevated temperatures, hot surfaces and open flames. Take precautions to prevent electrostatic discharge - proper zeroing and earthing when, for example, pouring contents of containers. It is advisable to wear anti-static clothing and footwear when handling the product and the floor of rooms where the product is stored or used should be made of electrically conductive materials. Ensure that electrical lighting and wiring are in working order and are not a potential source of ignition. Do not use sparking cutting tools.
Work according to safety and hygiene rules: no food or drink, no smoking in the work area, wash hands after use, remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities
Store in a cool (recommended storage temperature 5° C-30° C), dry, well-ventilated room in a properly labelled, tightly closed, original container.
Avoid direct sunlight and heat sources, hot surfaces and open flames.

7.3. Specific end use(s)
Uses under section 1.2 - no additional recommendations

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Exposure standards for occupational hazards in accordance with the Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentrations and intensities of factors harmful to health in the working environment (DZ.U. pos.1286 as amended).

Components for which exposure standards apply:

Name and CAS number of the chemical	Maximum allowable concentration (in mg/m^3) depending on the duration of exposure during the work shift					Number of fibres (in cm)^3	Notes: Signage notation substance "skin"
	IPRD		**TPRD**		**NRD**		
N-butyl acetate [CAS: 123-86-4].	241 mg/m^3	50 ppm	723 mg/m^3	150 ppm	-	-	-

The mode, type and frequency of measurements of factors harmful to health in the work environment should be determined in accordance with the Decree of the Minister of Health of 2 February 2011 (Journal of Laws 2011, No. 33, item 166, as amended).

C9-C11 hydrocarbons, n-alkanes, isoalkanes, cyclic, <2% aromatics
DNEL worker, inhalation, long-term exposure, systemic effects: 871mg/m^3
DNEL worker, dermal, long-term exposure, systemic effects: 208mg/kg
DNEL consumer, dermal, long-term exposure, systemic effects: 125mg/kg
DNEL consumer, inhalation, long-term exposure, systemic effects: 185mg/m^3
DNEL consumer, oral, long-term exposure, systemic effects: 125mg/kg
N-butyl acetate:
DNEL for workers, dermal long-term exposure: 7mg/kg bw/day
DNEL for workers, long-term exposure by inhalation: 48mg/m^3
DNEL for consumer, dermal long-term exposure: 3.4mg/kg bw/day
DNEL for the consumer, long-term exposure by inhalation: 12mg/m^3
DNEL for consumer, long-term exposure after ingestion: 3.4mg/kg bw/day
PNEC freshwater: 0.18mg/l
PNEC marine waters: 0.018mg/l
PNEC intermittent release: 0.36mg/l
PNEC wastewater treatment plant: 35.6mg/l
PNEC freshwater sediment: 0.981mg/kg
PNEC marine sediment: 0.0981mg/l
PNEC of soil: 0.0903mg/kg

8.2. Exposure controls
Appropriate technical control measures:
General ventilation of the room is recommended.

Comply with basic health and safety rules.
Wash hands during breaks and after handling the product.
Do not eat, drink or smoke while handling the product.
Remove contaminated clothing and wash before reuse.

Individual protection measures, such as personal protective equipment:
PPE should be selected according to the hazards of the workplace taking into account Regulation (EU) 2016/425 of the European Parliament and of the Council and having regard to the relevant CEN standards.

Eye or face protection:
Wear safety goggles or a face mask (according to EN 166).
Skin protection:
Hand protection:
use protective gloves resistant to chemicals according to EN-374.

Recommended materials:
Viton: thickness 0.7 mm, permeation time > 480 min.
Nitrile rubber: thickness 0.4 mm, penetration time > 30 min.

Glove material:

Choosing the right gloves does not only depend on the material, but also on the brand and quality due to differences between manufacturers. The resistance of the glove material can be determined after testing. The exact break-in time of the gloves must be determined by the manufacturer.

Other:

Wear protective clothing.

Respiratory protection:

Avoid inhalation of product vapours. In conditions of inadequate ventilation, use individual respiratory protective equipment - mask or respirator complete with filter and type A or universal vapour canister (class 1,2 or 3) according to EN 14387.

Thermal hazards:

Not applicable.

Environmental exposure controls

Do not allow to spread in the environment and to enter drains and watercourses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a)	State of aggregation	Liquid
b)	Colour	Colourless
c)	Fragrance	Characteristic
d)	Melting point/freezing point *(not applicable to gases)*	No data available
e)	Boiling point or initial boiling point and boiling range	No data available
f)	Flammability of materials *(applicable to gases, liquids, solids)*	Flammable liquid
g)	Lower and upper explosion limits *(not applicable to solids)*	Lower: 0.7%vol. (hydrocarbons) Upper: 6% vol. (hydrocarbons)
h)	Flash point *(not applicable to gases, aerosols and solids)*	30 C^{o}
i)	Auto-ignition temperature *(applicable only to gases and liquids)*	> 200° C
j)	Decomposition temperature *(applies only to self-reactive substances and mixtures, organic peroxides and other substances and mixtures that can decompose)*	Not applicable
k)	pH *(not applicable to gases)*	Not applicable
l)	Kinematic viscosity *(applies to liquids only)*	No data available
m)	Solubility	Insoluble in water
n)	Partition coefficient n-octanol/water (log coefficient value)	Not applicable - mixture

o)	Vapour pressure	No data available
p)	Density or relative density *(applies to liquids and solids only)*	approx. 0.79 g/cm^3 (20° C)
q)	Relative vapour density *(applicable to gases and liquids only)*	4.0 (n-butyl acetate)
r)	Particle characteristics *(applies to solids only)*	Not applicable

9.2 Other information
None.

SECTION 10: Stability and reactivity

10.1 Reactivity
The product is not reactive.
10.2 Chemical stability
Product stable under normal conditions of use, storage and transport.
10.3. Possibility of hazardous reactions
None.
10.4 Conditions to avoid
Avoid elevated temperatures, direct sunlight, hot surfaces and open flames.
10.5 Incompatible materials
Strong acids, strong alkalis, strong oxidising agents.
10.6. Hazardous decomposition products
No decomposition under recommended conditions of use and storage.
For thermal decomposition products, see section 5.

SECTION 11: Toxicological information

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

a)	Acute toxicity	Based on available data, the classification criteria are not met.
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 sensitisation	Based on available data, the classification criteria are not met.
e)	Mutagenic effects on germ cells	Based on available data, the classification criteria are not met.
f)	Carcinogenic effects	Based on available data, the classification criteria are not met.
g)	Reproductive toxicity	Based on available data, the classification criteria are not met.
h)	Toxic effects on target organs - single exposure	**May cause drowsiness or dizziness.**
i)	Toxic effects on target organs - repeated exposure	Based on available data, the classification criteria are not met.
j)	Aspiration hazard	**Ingestion and inhalation can be fatal.**

Data for ingredients:

C9-C11 hydrocarbons, n-alkanes, isoalkanes, cyclic, <2% aromatics
LD50 (rat; oral): >5000mg/kg
LD50 (skin, rabbit): >5000mg/kg
LC50 (rat; inhalation): >5000mg/m^3/4h
N-butyl acetate:
LD50 (rat, male; oral): 10760mg/kg
LD50 (rabbit; dermal): >14000mg/kg
LC50 (rat, male, female; inhalation): 23.4mg/l/h (In vivo, aerosol)

11.2 Information on other hazards
Endocrine disrupting properties
None.

SECTION 12: Ecological information

12.1 Toxicity
Mixture not classified as hazardous to the environment.
Do not allow to enter groundwater, sewers or watercourses.

C9-C11 hydrocarbons, n-alkanes, isoalkanes, cyclic, <2% aromatics
LL50 fish (Oncorhynchus mykiss): >1000mg/l, 96h
EL0 crustaceans (Daphnia magna): 1000mg/l, 48h
EL50 algae (Pseudokirchnerirlla subspicatus): >1000mg/l, 72h
NOELR algae (Pseudokirchnerirlla subspicatus): 100mg/l, 72h
N-butyl acetate:
LC50 fish (Pimephales promelas): 18mg/l, 96h
EC50 crustaceans (Daphnia sp.): 44mg/l, 48h
NOEC algae (Desmodesmus subspicatus): 200mg/l, 72h
ErC50 algae (Desmodesmus subspicatus): 648mg/l, 72h
IC50 activated sludge (Tetrahymena pyriformis): 356mg/l, 40h

12.2. Persistence and degradability
No data available for the mixture

C9-C11 hydrocarbons, n-alkanes, isoalkanes, cyclic, <2% aromatics
Biodegradation: 80% in 28 days (OECD 301F)
The product is rapidly biodegradable
N-butyl acetate:
It hydrolyses slowly in water.
Half-life of hydrolysis: 78 days at pH: 8; and 2 years at pH: 7 (at 25^{o}C).
Readily biodegradable substance: 80% in 5 days (83% in 28 days).

12.3 Bioaccumulative potential
No data available for the mixture

N-butyl acetate:
Log Ko/w: 2.3 (BCF predicted: 15.3) - substance shows no potential for bioaccumulation.

12.4 Mobility in soil
No data available for the mixture

12.5 Results of PBT and vPvB assessment
The mixture does not contain ingredients meeting the criteria as PBT or vPvB.

12.6 Endocrine disrupting properties
The mixture does not contain endocrine disruptors.

12.7 Other adverse effects
No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Store the residue in the original containers. Waste disposal should be carried out by specialised companies. Dispose of in accordance with valid regulations.
Empty packaging must be disposed of or recycled in accordance with current legislation.

Establish waste codes at the place of generation in accordance with the Regulation of the Minister of Climate of 2 January 2020 on waste catalogue (DZ.U. pos. 10).

Community legislation on waste:
DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives, as amended.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number or ID number	1263	1263	1263	1263
14.2 UN proper shipping name	PAINT MATERIAL (includes thinners and solvents)	PAINT MATERIAL (includes thinners and solvents)	PAINT RELATED MATERIAL (including paint thinning and reducing compound)	Paint related material (including paint thinning or reducing compounds)
14.3. Transport hazard class(es)	3 Stickers: 3 	3 Stickers: 3 	3 Stickers: 3 	3 Stickers: 3 
14.4 Packing group	III	III	III	III
14.5. Environmental hazards	Not	Not	Not	Not
14.6 Special precautions for user	Classification code: F1 Limited quantities of LQ: 5L Quantities excluded: E1 Hazard identification number: 30 Transport category: 3 Code for restrictions on carriage through tunnels: D/E	Classification code: F1 Limited quantities of LQ: 5L Quantities excluded: E1	LQ: 5L EmS: F-E, S-E Stowage and handling: Category A Segregation: -	**Passenger Aircraft (PAX)** IATA LTD QTY Pkg Inst: Y344 IATA LTD QTY Max Qty per Pkg: 10L IATA Pkg Inst:355 Max Capacity per inner receptacle: 5L Max Net Qty per Pkg: 30L **Cargo Aircraft (CAO)** Cargo Air Packing Inst: 366 Cargo Air Max : 30L IATA Special Prov: A3, A72, A192
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

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), as amended.
2. 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 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
3. Regulation of the European Parliament and of the Council of 16 December 2008 No. 1272/2008 (CLP), as amended.
4. Act of 25 February 2011 on chemical substances and their mixtures (i.e. Journal of Laws 2022, item 1816).
5. Act of 14 December 2012 on waste (i.e. Dz. U. of 2022, item 699, 1250,1726, 2127, 2722, of 2023, item 295)
6. Act of 13 June 2013 on the management of packaging and packaging waste (i.e. Journal of Laws 2023, item 160)
7. Regulation of the Minister of Climate of 2 January 2020 on the waste catalogue (DZ.U. 2020, item 10).
8. Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.
9. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, as amended.
10. Act of 19 August 2011 on the carriage of dangerous goods (i.e. Dz. U. of 2022. item 2147)
11. Regulation of the Minister of the Family, Labour and Social Policy of 12 June 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the working environment (DZ.U. pos.1286 as amended).
12. Regulation of the Minister of Health of 30 December 2004 on health and safety at work related to the presence of chemical agents in the workplace (i.e. Journal of Laws 2016, item 1488)
13. Regulation of the Minister of the Environment of 9 December 2003 on substances posing a particular threat to the environment (DZ.U. No. 217, item 2141).

15.2 Chemical safety assessment
No chemical safety assessment for the mixture

REACH Annex XIII - Criteria for the identification of persistent, bioaccumulative and toxic substances (PBT) and very persistent and very bioaccumulative substances (vPvB) - not applicable

REACH Annex XIV - List of substances subject to authorisation: not applicable

SVHC substances - Candidate list of substances of very high concern awaiting authorisation:
Not applicable

REACH Annex XVII - Restrictions on the manufacture , placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable.

SECTION 16: Other information

Returns H:
H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H336 - May cause drowsiness or dizziness.
EUH066 - Repeated exposure may cause skin drying or cracking.

Description of abbreviations, acronyms and symbols used:
Flam. Liq. 3 - flammable liquid cat.3
Asp. Tox. 1 - Aspiration hazard Cat. 1
STOT SE 3 - Toxic effects on target organs - single exposure STOT cat.3
NDS - Maximum Permissible Concentration
NDSCh - Maximum Allowable Momentary Concentration

NDSP - Maximum Allowable Concentration Limit
DNEL - Derived No-Effect Level
PNEC - Predicted No-Effect Concentration
LD50 - (*lethal dose*) - median lethal dose, the statistically determined single dose rate of a substance at which 50 % of exposed test organisms can be expected to die.
LC50 - (*lethal concentration*) - median lethal concentration, a statistically determined concentration of a substance to which 50 % of the organisms exposed to the substance can be expected to die during exposure or during a specified, conventional post-exposure period.
EC50 - (*effective concentration*) - median effective concentration, statistically calculated concentration that induces a specific effect in an environmental medium in 50 % of the experimental organisms under specified conditions
IC50 - (*inhibitory concentration*) - median concentration of inhibitor that inhibits 50 % of biological and biochemical functions of organisms
NOEC (*no observed effects concentration*) - the highest concentration for which there is no significant increase in the frequency or severity of effects of a substance on test organisms relative to a control sample.
NOEL (*no observed effects level*) - the highest dose at which there is no significant increase in the frequency or severity of effects of a substance in test organisms relative to a control sample.
BCF - bioconcentration factor
vPvB - Very Persistent and Very Bioaccumulative
PBT - persistent, bioaccumulative and toxic
ADR - European Agreement on the Transport of Dangerous Goods by Road
RID - Regulation concerning the carriage of dangerous goods by international railways
IMDG - International Maritime Dangerous Goods Code
IATA - Regulation on the Transport of Dangerous Goods issued by the International Air Transport Association

Basis for classification:

Flam. Liq. 3; H226	Based on the flash point
Asp. Tox. 1; H304	Based on component content (calculation method)
STOT SE 3; H336	Based on component content (calculation method)

Training:
Before handling the product, it is compulsory to provide employees with health and safety training in relation to the presence of chemical agents in the working environment. Carry out, document and familiarise workers with the results of the occupational risk assessment for the workplace related to the presence of chemical agents.

REFERENCE MATERIAL
Annex to Regulation (EU) 2020/878 of 18 June 2020.
Legal provisions cited in Section 15 of the Charter
Information from the Bureau of Chemicals.

The information contained in the safety data sheet applies only to the product named in the title. The data contained in the data sheet should only be regarded as an aid to the safe use of the product. As the conditions of storage, transport and use are beyond our control, they cannot constitute a guarantee in the legal sense. In all cases, the statutory provisions and possible rights of third parties must be observed. This *sheet does not constitute an assessment of workplace hazards*. The product should not be used for purposes other than those specified in section 1 without prior consultation with **UAB „HELVINA".**

Developed at **UAB „HELVINA".**