

Printing date 01.08.2017 V- 1 Revision: 31.07.2017

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

### 1.1 Product identifier

**Trade name: Silicone Remover** 

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

against

Identified uses: professional use.

Application of the substance / the mixture Degreasing agent

## 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier:

R. Pohlmann GmbH Pankower Str. 22 D-21502 Geesthacht

www.speedfinishes.com Tel.: +49 (0)4152 88800

Further information obtainable from: msds@speedfinishes.com

1.4 Emergency telephone number:

+49 (0)551-19240 (Giftinformationszentrum-Nord)

### **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008



GHS02

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS09

Aguatic Chronic 2 H411 Toxic to aguatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

(Contd. on page 2)



Printing date 01.08.2017 V- 1 Revision: 31.07.2017

Trade name: Silicone Remover

(Contd. of page 1)

STOT SE 3 H336 May cause drowsiness or dizziness.

### 2.2 Label elements

### Labelling according to Regulation (EC) No 1272/2008

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

### **Hazard pictograms**









GHS02 GHS07 GHS08 GHS09

### Signal word Danger

## Hazard-determining components of labelling:

Naphtha (petroleum), hydrotreated light

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

### **Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H361 Suspected of damaging fertility or the unborn child.

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**

P201 Obtain special instructions before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking.

P271 Use only outdoors or in a well-ventilated area.

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.

P501 Dispose of contents/container in accordance with local/regional/

national/international regulations.

### 2.3 Other hazards

### Results of PBT and vPvB assessment

**PBT:** Not applicable. **vPvB:** Not applicable.

(Contd. on page 3)



Printing date 01.08.2017 V- 1 Revision: 31.07.2017

Trade name: Silicone Remover

(Contd. of page 2)

## **SECTION 3: Composition/information on ingredients**

### 3.2 Chemical characterisation: Mixtures

**Description:** Mixture of substances listed below with nonhazardous additions.

•		
Dangerous components:		
List no.: 927-241-2 Reg.nr.: 01-2119471843-32	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics  Flam. Liq. 3, H226; Asp. Tox. 1,	25-50%
	H304; (1) STOT SE 3, H336; Aquatic Chronic 3, H412	
CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light	25-50%
EINECS: 265-151-9 Reg.nr.: 01-2119475133-43	♦ Flam. Liq. 2, H225; ♦ Repr. 2, H361; Asp. Tox. 1, H304; ♦ Aquatic Chronic 2, H411; ♦ Skin Irrit. 2, H315; STOT SE 3, H336	
List no.: 905-562-9 Reg.nr.: 01-2119555267-33	reaction mass of ethylbenzene and m- xylene and p-xylene	1-5%
	Flam. Liq. 3, H226;	
List no.: 918-668-5	hydrocarbons, C9, aromatics	1-5%
Reg.nr.: 01-2119455851-35	<ul> <li>♦ Asp. Tox. 1, H304;</li> <li>♦ Aquatic Chronic</li> <li>2, H411;</li> <li>♦ STOT SE 3, H335-H336</li> </ul>	
CAS: 141-78-6	ethyl acetate	1-5%
EINECS: 205-500-4 Reg.nr.: 01-2119475103-46	♦ Flam. Liq. 2, H225; ♦ Eye Irrit. 2, H319 STOT SE 3, H336	•
Regulation (FC) No 648/2004 on detergents / Labelling for contents		

## Regulation (EC) No 648/2004 on detergents / Labelling for contents BENZYL BENZOATE, BENZYL ALCOHOL

### Additional information:

For the wording of the listed hazard phrases refer to section 16.

### **SECTION 4: First aid measures**

### 4.1 Description of first aid measures **General information:**

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Take affected persons out of danger area and lay down.

(Contd. on page 4)

<5%



Printing date 01.08.2017 V- 1 Revision: 31.07.2017

Trade name: Silicone Remover

(Contd. of page 3)

#### After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

#### After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water.

**After swallowing:** Do not induce vomiting; call for medical help 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 agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

## 5.2 Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

### 5.3 Advice for firefighters

### **Protective equipment:**

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

### **Additional information**

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

## **SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

(Contd. on page 5)



Printing date 01.08.2017 V-1 Revision: 31.07.2017

Trade name: Silicone Remover

(Contd. of page 4)

Avoid contact with the eyes and skin.

### 6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

### 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Do not flush with water or aqueous cleansing agents.

Dispose of the material collected according to regulations.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

Open and handle receptacle with care.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Do not allow to enter sewers/ surface or ground water.

### Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

Fumes can combine with air to form an explosive mixture.

## 7.2 Conditions for safe storage, including any incompatibilities Storage:

## Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

### Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

### Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

(Contd. on page 6)



Printing date 01.08.2017 V- 1 Revision: 31.07.2017

**Trade name: Silicone Remover** 

(Contd. of page 5)

7.3 Specific end use(s) No further relevant information available.

## **SECTION 8: Exposure controls/personal protection**

## Additional information about design of technical facilities:

No further data; see item 7.

### 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:		
141-78-6 ethyl acetate		
WEL (Great Britain)	Short-term value: 400 ppm Long-term value: 200 ppm	
IOELV (EU)	Short-term value: 1468 mg/m³, 400 ppm Long-term value: 734 mg/m³, 200 ppm	

## **Regulatory information**

WEL (Great Britain): EH40/2011 IOELV (EU): (EU) 2017/164

DNELs	DNELs		
hydrocarl	hydrocarbons, C9, aromatics		
Dermal DNEL 25 mg/kg bw/day (long-term - systemic effects, workers)			
Inhalative	Inhalative DNEL 150 mg/m3 (long-term - systemic effects, workers)		
141-78-6 ethyl acetate			
Dermal	DNEL	63 mg/kg bw/day (long-term - systemic effects, workers)	
Inhalative	DNEL	1,468 mg/m3 (acute - systemic effects, workers)	
		1,468 mg/m3 (acute - local effects, workers)	
734 mg/m3 (long-term - systemic effects, workers)		734 mg/m3 (long-term - systemic effects, workers)	
		734 mg/m3 (long-term - local effects, workers)	

PNEC	PNECs		
141-78	141-78-6 ethyl acetate		
PNEC	NEC 0.24 mg/l (freshwater environment)		
	0.024 mg/l (marine environment)		
1.65 mg/l (intermittent releases)			
	650 mg/l (sewage treatment plants)		
PNEC	1.15 mg/kg (freshwater sediment environment)		
	0.115 mg/kg (marine sediment environment)		

(Contd. on page 7)



Printing date 01.08.2017 V- 1 Revision: 31.07.2017

Trade name: Silicone Remover

(Contd. of page 6)

Ingredients with biological limit values:	
reaction mass of ethylbenzene and m-xylene and p-xylene	
BMGV (Great Britain)	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

Regulatory information BMGV (Great Britain): EH40/2011

Additional information: The lists valid during the making were used as basis.

### 8.2 Exposure controls

## Personal protective equipment:

### General protective and hygienic measures:

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Keep ignition sources away - Do not smoke.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Do not eat or drink while working.

### **Respiratory protection:**

Filter A2/P2

Use suitable respiratory protective device in case of insufficient ventilation.

#### Protection of hands:



### Protective gloves

Check the permeability prior to each anewed use of the glove.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (EN 374).

### **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 8)



Printing date 01.08.2017 V- 1 Revision: 31.07.2017

**Trade name: Silicone Remover** 

(Contd. of page 7)

### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** 



Tightly sealed goggles

Body protection: Protective work clothing

## **SECTION 9: Physical and chemical properties**

olonion properties		
9.1 Information on basic physical ar General Information Appearance:	nd chemical properties	
Form:	Fluid	
Colour:	Colourless	
Odour:	Product specific	
Odour threshold:	Not determined.	
pH-value:	Not applicable.	
Change in condition  Melting point/freezing point: Initial boiling point and boiling	Undetermined.	
range:	70°C	
_	Undetermined.	
Flash point:	18°C	
Flammability (solid, gas):	Not applicable.	
Decomposition temperature:	Not determined.	
Auto-ignition temperature:	Not determined.	
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.	
Explosion limits:		
Lower:	0.7 Vol %	
Upper:	11.5 Vol %	
	(0 1	

(Contd. on page 9)



Printing date 01.08.2017 V-1 Revision: 31.07.2017

**Trade name: Silicone Remover** 

(Contd. of page 8)

Vapour pressure at 20°C:98 hPaDensity:0.74-0.75 g/cm³Vapour densityNot determined.Evaporation rateNot determined.

Solubility in / Miscibility with

water: Not miscible or difficult to mix.

Partition coefficient: n-octanol/water: Not determined.

**Viscosity:** 

**Dynamic:** Not determined. **Kinematic:** Not determined.

**9.2 Other information**No further relevant information

available.

## **SECTION 10: Stability and reactivity**

10.1 Reactivity No decomposition if used according to specifications.

10.2 Chemical stability

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Fumes can combine with air to form an explosive mixture.

- **10.4 Conditions to avoid** Protect from heat and direct sunlight.
- **10.5** Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products:

Formation of toxic gases is possible during heating or in case of fire.

## **SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

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

LD/LC50	LD/LC50 values relevant for classification:	
64742-49-0 Naphtha (petroleum), hydrotreated light		a (petroleum), hydrotreated light
Oral		>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>5,610 mg/l (rat)

(Contd. on page 10)



Printing date 01.08.2017 V- 1 Revision: 31.07.2017

**Trade name: Silicone Remover** 

(Contd. of page 9)

reaction mass of ethylbenzene and m-xylene and p-xylene		hylbenzene and m-xylene and p-xylene
Oral	ATE	>2,000 mg/kg
Dermal	ATE	1,466.67 mg/kg
Inhalative	ATE	12.09 mg/l
hydrocarbons, C9, aromatics		aromatics
Oral	LD50	3,592 mg/kg (rat)
Dermal	LD50	>3,160 mg/kg
Inhalative	LC50/4 h	>6,193 mg/l (rat)
141-78-6	141-78-6 ethyl acetate	
Oral	LD50	6,100 mg/kg (rat)
Dermal	LD50	>20,000 mg/kg (rabbit)
Inhalative	LC50/6 h	58 mg/l (rat)

## **Primary irritant effect:**

### Skin corrosion/irritation

Causes skin irritation.

## Serious eye damage/irritation

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

### Respiratory or skin sensitisation

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

## CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

### 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

Suspected of damaging fertility or the unborn child.

### **STOT-single exposure**

May cause drowsiness or dizziness.

### **STOT-repeated exposure**

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

### **Aspiration hazard**

May be fatal if swallowed and enters airways.

(Contd. on page 11)



Printing date 01.08.2017 V- 1 Revision: 31.07.2017

**Trade name: Silicone Remover** 

(Contd. of page 10)

## **SECTION 12: Ecological information**

### 12.1 Toxicity

Aquatic toxic	Aquatic toxicity:		
64742-49-0 N	64742-49-0 Naphtha (petroleum), hydrotreated light		
EC50/48 h	4.5 mg/l (Daphnia magna)		
LL50/96 h	8.2 mg/l (Pimephales promelas)		
hydrocarbon	s, C9, aromatics		
ErC50/96 h	9.2 mg/l (fish)		
EL50/48 h	3.2 mg/l (Daphnia magna)		
ErL50/72 h	2.9 mg/l (Pseudokirchnerella subcapitata)		
EC50/48 h	6.14 mg/l (Daphnia magna)		
EC50/10 min	>99 mg/l (microorganisms)		
141-78-6 ethy	yl acetate		
LC50/96 h	230 mg/l (Pimephales promelas)		
EC50/48 h	165 mg/l (Daphnia cucullata)		
EC50/72 h	>900 mg/l (Scenedesmus subspicatus)		
EC3/16 h	650 mg/l (Pseudomonas putida)		

### 12.2 Persistence and degradability

## hydrocarbons, C9, aromatics

Biodegradation 78 % (readily biodegradable) (OECD 301 F, 28 d, aerobic)

### 141-78-6 ethyl acetate

Biodegradation 93.9 % (readily biodegradable) (OECD 301 B, aerobic)

### 12.3 Bioaccumulative potential

## 141-78-6 ethyl acetate

BCF	30 (-)
log Pow	0.66

**12.4 Mobility in soil** No further relevant information available.

## Additional ecological information:

### **General notes:**

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.

Toxic for aquatic organisms

## 12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

(Contd. on page 12)



Printing date 01.08.2017 V- 1 Revision: 31.07.2017

**Trade name: Silicone Remover** 

(Contd. of page 11)

vPvB: Not applicable.

**12.6 Other adverse effects** No further relevant information available.

## **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

### **European waste catalogue**

08 01 11\* waste paint and varnish containing organic solvents or other hazardous substances

### **Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

## **SECTION 14: Transport information**

	14.1 UN-Number ADR, IMDG, IATA	UN1263
14.2 UN proper shipping name		
	ADR	1263 PAINT
	IMDG	PAINT (Naphtha (petroleum),
		hydrotreated light, hydrocarbons, C9,
		aromatics), MARINE POLLUTANT
	IATA	PAINT

### 14.3 Transport hazard class(es)

## ADR, IMDG



Class 3 Label 3

(Contd. on page 13)



Printing date 01.08.2017 V- 1 Revision: 31.07.2017

**Trade name: Silicone Remover** 

(Contd. of page 12)

14-4	
IATA	
Class	3
Label	3
14.4 Packing group	
ADR, IMDG, IATA	II
14.5 Environmental hazards:	Environmentally hazardous substance,
	liquid  Product contains anvironmentally
	Product contains environmentally hazardous substances: allyl heptanoate,
	Naphtha (petroleum), hydrotreated light
Marine pollutant (IMDG):	Yes
Special marking (ADD):	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Flammable liquids.
Danger code (Kemler): EMS Number:	33 F-E,S-E
Stowage Category	B
14.7 Transport in bulk according to	
Annex II of Marpol and the IBC Code	e Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Transport category	2
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	5L
UN "Model Regulation":	UN 1263 PAINT, 3, II

(Contd. on page 14)



Printing date 01.08.2017 V- 1 Revision: 31.07.2017

**Trade name: Silicone Remover** 

(Contd. of page 13)

### **SECTION 15: Regulatory information**

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

### Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

## Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

### **National regulations:**

### Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

### 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### **Relevant phrases**

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361 Suspected of damaging fertility or the unborn child.
- H411 Toxic to aquatic life with long lasting effects.

(Contd. on page 15)



Printing date 01.08.2017 V- 1 Revision: 31.07.2017

Trade name: Silicone Remover

(Contd. of page 14)

H412 Harmful to aquatic life with long lasting effects.

### **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European

Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids - Category 2

Flam. Liq. 3: Flammable liquids - Category 3

Acute Tox. 4: Acute toxicity - Category 4

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Repr. 2: Reproductive toxicity. Hazard Category 2

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

Asp. Tox. 1: Aspiration hazard - Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**Sources** European Chemicals Agency, http://echa.europa.eu/