



RAVENOL Silikon-Spray



ART.-NR. 1360033

400 ml | 1360033-400

RAVENOL Silikon-Spray dient zur Schmierung, Pflege und Wartung von Gummi-, Kunststoff- und Metalloberflächen. Das nach dem Ablüften der Lösungs- und Treibgase farblose, geschmacks- und geruchsneutrale Produkt ist physiologisch indifferent, wasserfest, strahlenfest und wetterbeständig.

RAVENOL Silikon-Spray hat sich im Gegensatz zu vielen nicht silikonhaltigen Produkten unter extremen Bedingungen wie z. B. gegenüber Seewasser, Wasserdampf, Schwefeldioxid, verdünnten Säuren und Laugen vielfach bewährt.

Hohe Durchschlagfestigkeit und ein geringer Verlustfaktor, der unabhängig von der Luftfeuchtigkeit ist, sind charakteristisch für **RAVENOL Silikon-Spray**.

RAVENOL Silikon-Spray wird eingesetzt z.B. als Gleitmittel im Fahrzeug-, Motor- und Karosseriebau, Hydrophobierungsmittel in der Elektro- und Kabelindustrie, Einzughilfe im Installationshandwerk, Pflege- und Konservierungsmittel in der Glas- und Keramikindustrie, Reinigungsmittel im Schiff- und Flugzeugbau, Trennmittel in der Kunststoffindustrie, Schutzmittel im Maschinenbau, Ausrüstungsmittel in Medizin, Pharmazie und Kosmetik. Dies sind nur einige Beispiele für den vielseitigen Einsatz von **RAVENOL Silikon-Spray**.

Anwendungshinweis

RAVENOL Silikon-Spray: Zu kalt gelagerte Dose vor Gebrauch auf Zimmertemperatur bringen. Vor Gebrauch kräftig schütteln. Gleichmäßig auf die zu behandelnden Oberflächen aus ca. 20-30 cm Entfernung aufsprühen und dabei auf vollständige Benetzung achten. Ablüftzeit ca. 30 s bei Zimmertemperatur.

Eigenschaften

RAVENOL Silikon-Spray bietet:

- Universelle Anwendung z.B. als Gleitmittel, Hydrophobierungsmittel, Pflege- und Konservierungsmittel, Reinigungsmittel, Trennmittel, Schutzmittel, Ausrüstungsmittel
- Sichere Schmierung von Gummi-, Kunststoff- und Metalloberflächen
- Sehr stabil gegen Witterungseinflüsse
- Wasserfest, strahlenfest, wetterbeständig
- Unter extremen Bedingungen wie Seewasser, Wasserdampf, verdünnte Säuren und Laugen einsetzbar
- Hohe Durchschlagfestigkeit und geringer Verlustfaktor



Eigenschaften	Einheit	Daten	Prüfung nach
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Alle Angaben entsprechen nach bestem Wissen dem derzeitigen Stand der Erkenntnisse und unserer Entwicklung. Änderungen bleiben vorbehalten. Alle Bezugnahme auf DIN-Normen dienen nur der Warenbeschreibung und stellen keine Garantie dar. Bei vorliegenden Problemfällen technische Beratung anfordern.

Stand: 06. Mai 2020

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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

1.1. Product identifier

Trade name/designation:

RAVENOL Silikon-Spray

Article No.:

1360033

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

Use of the substance/mixture:

Technical Spray

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Ravensberger Schmierstoffvertrieb GmbH

Jöllenbecker Str. 2

33824 Werther

D

Telephone: +49 5203 9719 0

Telefax: +49 5203 9719 48

E-mail: kontakt@ravenol.de

Website: www.ravenol.de

E-mail (competent person): kontakt@ravenol.de

1.4. Emergency telephone number

Abt. Produktsicherheit, 24h: +49 700 24 112 112 (Company ID: RAV) (outside USA/Canada) 011 49 700 24 112 112 (Company ID: RAV) (inside USA/Canada), +49 5203 9719 0 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aerosols (<i>Aerosol 1</i>)	H222: Extremely flammable aerosol.	
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>)	H411: Toxic to aquatic life with long lasting effects.	

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark



GHS09
Environment

Signal word: Danger

Hazard components for labelling:

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane ; Hydrocarbons, C7, n-alkanes, Iso-alkanes, cyclenes



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hazard statements for physical hazards

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

hazard statements for health hazards

H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.

Hazard statements for environmental hazards

H411	Toxic to aquatic life with long lasting effects.
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Supplemental Hazard information (EU): -

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

Precautionary statements Prevention

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 dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements Response

P302 + P352	IF ON SKIN: Wash with plenty of water/soap.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor/Emergency telephone number if you feel unwell.
P332 + P313	If skin irritation occurs: Get medical advice/attention.

Precautionary statements Storage

P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
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Precautionary statements Disposal

P501.2	Dispose of contents/container to an appropriate recycling or disposal facility.
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2.3. Other hazards

Adverse physicochemical effects:

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

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Additional information:

Labelling for contents according to regulation (EC) No. 648/2004: >= 30% aliphatic hydrocarbons

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CL P]	Concentration
CAS No.: 64742-49-0 EC No.: 921-024-6 REACH No.: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane STOT SE 3, Flam. Liq. 2, Skin Irrit. 2, Asp. Tox. 1, Aquatic Chronic 2 H225-H304-H315-H336-H411	25 - < 50 Vol-%
CAS No.: 64742-49-0 EC No.: 927-510-4 REACH No.: 01-2119475515-33	Hydrocarbons, C7, n-alkanes, Isoalkanes, cyclenes STOT SE 3, Flam. Liq. 2, Skin Irrit. 2, Asp. Tox. 1, Aquatic Chronic 2 Danger H225-H304-H315-H336-H411	25 - < 50 Vol-%
CAS No.: 110-54-3 EC No.: 203-777-6 REACH No.: 01-0000601037-00-0000	n-hexane Repr. 2, STOT SE 3, Flam. Liq. 2, Skin Irrit. 2, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 2 Danger H225-H304-H315-H336-H361f-H373-H411	1 - < 5 Vol-%



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product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 110-82-7 EC No.: 203-806-2	cyclohexane STOT SE 3, Flam. Liq. 2, Skin Irrit. 2, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1  Danger H225-H304-H315-H336-H410	0.1 - < 1 Vol-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

* 4.1. Description of first aid measures

General information:

First aider: Pay attention to self-protection! Never give anything by mouth to an unconscious person or a person with cramps. Remove persons to safety.

Following inhalation:

Consult a doctor immediately in the case of inhaling spray mist and show him packing or label. Provide fresh air.

In case of skin contact:

In case of skin contact, wash immediately with large quantities of water/polyethylene glycol 400 (Roticlean). Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After eye contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion:

Rinse mouth. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell. Observe risk of aspiration if vomiting occurs.

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

The following symptoms may occur: Headache, Nausea, fatigue, skin irritation

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

Treat symptomatically. Symptoms can occur only after several hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO₂)
Foam
Extinguishing powder

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

combustible
Vapours can form explosive mixtures with air.

Hazardous combustion products:

Nitrogen oxides (NO_x)
Carbon monoxide
Carbon dioxide (CO₂)
In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Move undamaged containers from immediate hazard area if it can be done safely. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Use personal protection equipment. Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion.

6.3. Methods and material for containment and cleaning up

For containment:

Suitable material for taking up: Sand, Kieselguhr, Universal binder, Chemical binding agents, containing acids, Universal binder

For cleaning up:

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

Other information:

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Pressurised container: May burst if heated. Do not pierce or burn, even after use. If handled uncovered, arrangements with local exhaust ventilation should be used if possible. Do not breathe gas/vapour/aerosol.

Fire prevent measures:

Do not spray on naked flames or any incandescent material. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

Advices on general occupational hygiene

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed in a cool, well-ventilated place.

Packaging materials:

Keep/Store only in original container.

Hints on storage assembly:

Do not store together with:

Material, oxygen-rich, oxidizing

Pyrophoric or self-heating substances

Storage class: 2B – Aerosol dispensers and lighters

Further information on storage conditions:

Protect against: Frost, UV-radiation/sunlight

maximum storage temperature: 50 °C



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7.3. Specific end use(s)

Recommendation:

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

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8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane CAS No.: 64742-49-0	① 1,500 mg/m ³ ② 3,000 mg/m ³ ⑤ (C5-C8 Aliphaten)
TRGS 900 (DE)	Hydrocarbons, C7, n-alkanes, Isoalkanes, cyclenes CAS No.: 64742-49-0	① 1,500 mg/m ³ ② 3,000 mg/m ³ ⑤ (C5-C8 Aliphaten)
TRGS 900 (DE)	butane CAS No.: 106-97-8	① 1,000 ppm (2,400 mg/m ³) ② 4,000 ppm (9,600 mg/m ³)
TRGS 900 (DE)	propane CAS No.: 74-98-6	① 1,000 ppm (1,800 mg/m ³) ② 4,000 ppm (7,200 mg/m ³)
TRGS 900 (DE)	isobutane CAS No.: 75-28-5	① 1,000 ppm (2,400 mg/m ³) ② 4,000 ppm (9,600 mg/m ³)
TRGS 900 (DE)	n-hexane CAS No.: 110-54-3	① 50 ppm (180 mg/m ³) ② 400 ppm (1,440 mg/m ³)
IOELV (EU)	n-hexane CAS No.: 110-54-3	① 20 ppm (72 mg/m ³)
TRGS 900 (DE)	cyclohexane CAS No.: 110-82-7	① 200 ppm (700 mg/m ³) ② 800 ppm (2,800 mg/m ³)
IOELV (EU)	cyclohexane CAS No.: 110-82-7	① 200 ppm (700 mg/m ³)

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① parameter ② Test material ③ Time of sampling ④ Remark
TRGS 903 (DE)	n-hexane CAS No.: 110-54-3	5 mg/L	① 2,5-Hexandion + 4,5-Dihydroxy-2-hexanon, Nach Hydrolyse: ② Urin ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	cyclohexane CAS No.: 110-82-7	150 mg/g Creatinin	① 1,2-Cyclohexandiol, Nach Hydrolyse: ② Urin ③ bei Langzeitexposition, Expositionsende bzw. Schichtende

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Hydrocarbons, C7, n-alkanes, Isoalkanes, cyclenes CAS No.: 64742-49-0	2,085 mg/m ³	① DNEL worker ② DNEL long-term inhalative (systemic)
n-hexane CAS No.: 110-54-3	75 mg/m ³	① DNEL worker ② DNEL long-term inhalative (systemic)



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8.2. Exposure controls

8.2.1. Appropriate engineering controls

See section 7. Additional information on plant design:

If handled uncovered, arrangements with local exhaust ventilation should be used if possible. Do not breathe gas/vapour/aerosol.

8.2.2. Personal protection equipment

Eye/face protection:

Eye/face protection Eye glasses with side protection

Skin protection:

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

Tested protective gloves must be worn: DIN EN 374

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable material: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

Breakthrough time (maximum wearing time) 480 min

Thickness of the glove material > 0,35 mm

Body protection: Not readily flammable

Wear anti-static footwear and clothing

Respiratory protection:

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Suitable respiratory protection apparatus: Combination filtering device (EN 14387)

Filter type AX

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Other protection measures:

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Aerosol

Colour: colourless

Odour: characteristic

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	-40 °C			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	-80 °C			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>No data available</i>			
Upper/lower flammability or explosive limits	1 - 11 Vol-%			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			



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parameter		at °C	Method	Remark
Relative density	not determined			
Bulk density	not determined			
Water solubility (g/L)	The study does not need to be conducted because the substance is known to be insoluble in water.			
Partition coefficient: n-octanol/water	not determined			
Dynamic viscosity	not determined			
Kinematic viscosity	not determined	40 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Ignition hazard
 Flammable

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Do not expose to temperatures above 50 °C. Heating causes rise in pressure with risk of bursting.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Carbon dioxide, Carbon monoxide, carbon black, aldehydes.
 Gases/vapours, toxic

Further information

Do not mix with other chemicals.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
64742-49-0	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane	LD₅₀ oral: >5,000 mg/kg (Rat) LD₅₀ dermal: >2,000 mg/kg (Rabbit) LC₅₀ inhalative: >23.3 mg/l 4 h (Rat)
64742-49-0	Hydrocarbons, C7, n-alkanes, Isoalkanes, cyclohexanes	LD₅₀ oral: 5,500 mg/kg (Rat) LD₅₀ dermal: 2,770 mg/kg (Rat) LC₅₀ inhalative: 23.3 mg/l (Rat)
110-54-3	n-hexane	LD₅₀ oral: 25,000 g/m ³ (Ratte) LD₅₀ dermal: 2,000 g/m ³ (Ratte) LC₅₀ inhalative: 169 mg/l 4 h (Ratte)
110-82-7	cyclohexane	LD₅₀ oral: 12,700 mg/kg (rat)

Acute oral toxicity:

No information available.

Acute dermal toxicity:

No information available for acute dermal and inhalative toxicity.

Acute inhalation toxicity:

No information available for acute dermal and inhalative toxicity.



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Skin corrosion/irritation:

Irritating to skin.

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

Pamatojoties uz pieejamajiem datiem, klasifikācijas kritēriji nav izpildīti.

Germ cell mutagenicity:

No indications of human germ cell mutagenicity exist.

Carcinogenicity:

No indication of human carcinogenicity.

Reproductive toxicity:

No indications of human reproductive toxicity exist.

STOT-single exposure:

May cause drowsiness or dizziness.

(hydrocarbons, C6-C7, n-alkanes, isoalkanes cyclenes, <5% n-hexane, hydrocarbons, C7, n-alkanes, isoalkanes cyclenes)

STOT-repeated exposure:

Pamatojoties uz pieejamajiem datiem, klasifikācijas kritēriji nav izpildīti.

Aspiration hazard:

Pamatojoties uz pieejamajiem datiem, klasifikācijas kritēriji nav izpildīti.

Additional information:

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
64742-49-0	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane	LC₅₀: 1 - 10 mg/l 4 d (Pimephales promelas (fath ead minnow)) ErC₅₀: >10 - 100 mg/l 3 d (Pseudokirchneriella subcapitata) EC₅₀: >1 - 10 mg/l 2 d (Daphnia magna (Big water flea))
64742-49-0	Hydrocarbons, C7, n-alkanes, Isoalkanes, cyclenes	LC₅₀: 10 mg/l 4 d ErC₅₀: 100 mg/l 3 d EC₅₀: 10 mg/l 2 d
110-54-3	n-hexane	LC₅₀: 2.5 mg/l 4 d (Pimephales prometas) ErC₅₀: 9.285 mg/l 3 d (Pseudokirchneriella subcapitata) EC₅₀: 21.85 mg/l 2 d (Daphnia magna)
110-82-7	cyclohexane	LC₅₀: 42.3 mg/l 4 d

Aquatic toxicity:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Abiotic degradation:

The product has not been tested.

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12.3. Bioaccumulative potential

CAS No.	Substance name	Log K _{OC}	Bioconcentration factor (BCF)
64742-49-0	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-hexane	5.2	
106-97-8	butane	2.89	
74-98-6	propane	2.36	
75-28-5	isobutane	2.76	
110-54-3	n-hexane	3.9	

Bioconcentration factor (BCF):

The product has not been tested.



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* **12.4. Mobility in soil**

The product has not been tested.

* **12.5. Results of PBT and vPvB assessment**

CAS No.	Substance name	Results of PBT and vPvB assessment
64742-49-0	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cycli cs, <5% n-hexane	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
64742-49-0	Hydrocarbons, C7, n-alkanes, Isoalkanes, cyclenes	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
106-97-8	butane	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
74-98-6	propane	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
75-28-5	isobutane	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
110-54-3	n-hexane	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
110-82-7	cyclohexane	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

* **13.1. Waste treatment methods**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

Remark:

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

13.2. Additional information

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

SECTION 14: Transport information

Land transport (ADR/ RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name			
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS
14.3. Transport hazard class(es)			
 2.1	 2.1	 2.1	 2.1

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
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14.4. Packing group

not determined

not determined

14.5. Environmental hazards

			No
		MARINE POLLUTANT	

14.6. Special precautions for user

Special provisions: Limited quantity (LQ): The Limited Quantity specifies the inner packaging size. Packages may not exceed 30 kg gross mass. 1L Hazard identification number (Kemler No.): Classification code: F tunnel restriction code: (D) Remark:	Special provisions: Limited quantity (LQ): The Limited Quantity specifies the inner packaging size. Packages may not exceed 30 kg gross mass. 1L Classification code: F Remark:	Special provisions: Limited quantity (LQ): The Limited Quantity specifies the inner packaging size. Packages may not exceed 30 kg gross mass. 1L EmS-No.: F-D; S-U Remark: MP: Hydrocarbons, C6-C7; Hydrocarbons C7	Special provisions: Limited quantity (LQ): Remark:
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

[DE] National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (WGK)

WGK:

1 - schwach wassergefährdend

Remark:

Self-classification (mixture; calculation rule).

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

15.3. Additional information

No data available

SECTION 16: Other information

* 16.1. Indication of changes

2.2.	Label elements
3.2.	Mixtures
4.1.	Description of first aid measures



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4.3.	Indication of any immediate medical attention and special treatment needed
8.1.	Control parameters
12.3.	Bioaccumulative potential
12.4.	Mobility in soil
12.5.	Results of PBT and vPvB assessment
13.1.	Waste treatment methods
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes

16.2. Abbreviations and acronyms

See overview table at www.euphrac.eu

16.3. Key literature references and sources for data

67/548/EEC - Dangerous Substances Directive
 1999/45/EEC - Dangerous Preparations Directive
 EC 1907/2006 - REACH Regulation
 1272/2008 EC - Regulation on classification, labeling and packaging of substances and mixtures, and amending Directives 67/548/EEC and 1999/45/EC and Regulation (EC) No 1907/2006
 Regulation (EC) No 1907/2006 (REACH), Annex II
 European Chemicals Agency (ECHA), C & L classification and labeling inventory
 European Chemicals Agency (ECHA), ECHA CHEM Registered substances
 OECD The Global Portal to Information on Chemical Substances (ChemPortal)
 Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA): GESTIS substance database and International limit values for chemical substances
 Federal Environment Agency, Section IV 2.4: Documentation and Information Centre substances hazardous to water Rigoletto (catalog substances hazardous to water)

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aerosols (<i>Aerosol 1</i>)	H222: Extremely flammable aerosol.	
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>)	H411: Toxic to aquatic life with long lasting effects.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H225	Highly 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. (...)
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional 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.

* Data changed compared with the previous version