



Revision date: 17 Dec 2019 Version: 1 Print date: 3 Feb 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 Motobike Engine Cleaner Shot

Article No.:

1390402

UFI:

FAXV-6J7K-X2FJ-8JTS

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

Use of the substance/mixture:

Additive

**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 40

E-mail: kontakt@ravenol.de

Website: www.ravenol.de

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

**1.4. Emergency telephone number**

Abt. Technik (Produktsicherheit), 24h: +49 700 24 112 112 (Contract ID: RAV) , +49 5203 9719 0 (Mo-Do 7.30 Uhr - 16.30 Uhr, Fr 7.30 Uhr - 13.15 Uhr) (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
Aspiration hazard ( <i>Asp. Tox. 1</i> )	H304: May be fatal if swallowed and enters airways.	
Reproductive toxicity ( <i>Lact.</i> )	H362: May cause harm to breast-fed children.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	

**2.2. Label elements**

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

Hazard pictograms:



**GHS08**

Health hazard

Signal word: Danger

Hazard components for labelling:

Chloroparaffins C14-C28; Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics



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**hazard statements for health hazards**

H304	May be fatal if swallowed and enters airways.
H362	May cause harm to breast-fed children.

**Hazard statements for environmental hazards**

H412	Harmful to aquatic life with long lasting effects.
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**Supplemental hazard information**

EUH066	Repeated exposure may cause skin dryness or cracking.
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**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**

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P263	Avoid contact during pregnancy and while nursing.
P270	Do not eat, drink or smoke when using this product.

**Precautionary Statements Response**

P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P331	Do NOT induce vomiting.

**Precautionary Statements Storage**

P405	Store locked up.
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**Precautionary Statements Disposal**

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

No data available

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

**3.2. Mixtures**

**Additional information:**

Regulation (EC) No. 648/2004 (Detergents regulation):  
 Contains: > 30% Hydrocarbons, aliphatic, < 5 % halogenated hydrocarbons

**Hazardous ingredients / Hazardous impurities / Stabilisers:**

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
<b>CAS No.:</b> 64742-48-9 <b>EC No.:</b> 918-481-9 <b>REACH No.:</b> 01-2119457273-39	<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt; 2 % aromatics</b> Asp. Tox. 1 H304-EUH066	80 - < 100 Wt %
<b>CAS No.:</b> 85535-85-9 <b>EC No.:</b> 287-477-0 <b>INDEX No.:</b> 602-095-00-X <b>REACH No.:</b> 01-2119519269-33	<b>Chloroparaffins C14-C28</b> Aquatic Acute 1, Aquatic Chronic 1, Lact. <b>Warning</b> H362-H410-EUH066	1 - < 5 Wt %

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

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information:**

Never give anything by mouth to an unconscious person or a person with cramps. Remove contaminated, saturated clothing immediately. Remove persons to safety.

**Following inhalation:**

Remove person to fresh air and keep comfortable for breathing. When in doubt or if symptoms are observed, get medical advice.



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**In case of skin contact:**

Wash with plenty of soap and water.  
Take off immediately all contaminated clothing and wash it before reuse. When in doubt or if symptoms are observed, get medical advice.

**After eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a doctor immediately.

**After ingestion:**

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician in any case!

**Self-protection of the first aider:**

Use personal protection equipment.

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

Headache, Nausea, Dizziness, fatigue, skin irritation  
Frequently or prolonged contact with skin may cause dermal irritation.  
May cause skin and eye irritation.  
Harmful: may cause lung damage if swallowed.

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

Treat symptomatically. Call a POISON CENTER.  
Aspiration hazard

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media:**

Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Water mist, alcohol resistant foam .  
Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media:**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

Flammable. Do not inhale explosion and combustion gases. Danger of suffocation in case of accumulation in lowlying or closed rooms.

**Hazardous combustion products:**

Nitrogen oxides (NO<sub>x</sub>) Carbon monoxide Carbon dioxide (CO<sub>2</sub>)  
In case of fire: Gases/vapours, toxic

**5.3. Advice for firefighters**

Do not inhale explosion and combustion gases. Move undamaged containers from immediate hazard area if it can be done safely. In case of fire: Wear self-contained breathing apparatus.

**5.4. Additional information**

Use water spray jet to protect personnel and to cool endangered containers.  
Suppress gases/vapours/mists with water spray jet.  
Fire class: B  
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.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Avoid contact with eyes and skin.

**Protective equipment:**

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

**Emergency procedures:**

Remove all sources of ignition. Remove persons to safety. Provide adequate ventilation.

**6.1.2. For emergency responders**

**Personal protection equipment:**

Use appropriate respiratory protection. Personal protection equipment: see section 8



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## 6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into surface water or drains.

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

### For containment:

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

### For cleaning up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.

## 6.4. Reference to other sections

SECTION 7: Handling and storage

SECTION 8: Exposure controls/personal protection

SECTION 13: Disposal considerations

## 6.5. Additional information

Clear spills immediately. Use appropriate container to avoid environmental contamination.

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

### Protective measures

#### Advices on safe handling:

Use only in well-ventilated areas.  
Do not breathe gas/fumes/vapour/spray.  
Avoid contact with skin, eyes and clothes.

#### Fire prevent measures:

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.

#### Measures to prevent aerosol and dust generation:

See protective measures under point 7 and 8.

#### Environmental precautions:

SECTION 6: Accidental release measures

### Advices on general occupational hygiene

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing immediately. Avoid contact with eyes and skin.

## 7.2. Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions:

Keep container tightly closed. Keep locked up and out of reach of children. Keep only in original container. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### Packaging materials:

Keep/Store only in original container.

### Requirements for storage rooms and vessels:

Shafts and sewers must be protected from entry of the product.  
Keep only in the original container in a cool, well-ventilated place.  
Do not store at temperatures above 50°C.  
Take precautionary measures against static discharge.

### Hints on storage assembly:

TRGS 510

### Storage class: 3 - Flammable liquids

### Further information on storage conditions:

Observe technical data sheet. Store in a cool dry place.

## 7.3. Specific end use(s)

### Recommendation:

Observe technical data sheet.



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## SECTION 8: Exposure controls/personal protection

### 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
PL	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics CAS No.: 64742-48-9	① 300 mg/m <sup>3</sup> ② 900 mg/m <sup>3</sup>
VLA (FR)	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics CAS No.: 64742-48-9	① 1,000 mg/m <sup>3</sup> ② 1,500 mg/m <sup>3</sup> ⑤ (hydrocarbures C9-C12)
DFG (DE)	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics CAS No.: 64742-48-9	① 50 ppm (300 mg/m <sup>3</sup> ) ② 100 ppm (600 mg/m <sup>3</sup> )
NO	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics CAS No.: 64742-48-9	① 50 ppm (275 mg/m <sup>3</sup> ) ⑤ (White Spirit (aromatinnhold < 22 %))
CH	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics CAS No.: 64742-48-9	① 50 ppm (300 mg/m <sup>3</sup> ) ② 100 ppm (600 mg/m <sup>3</sup> ) ⑤ (Naphtha, mit Wasserstoff behandelte, schwere)
MAK (AT)	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics CAS No.: 64742-48-9	① 200 mL/m <sup>3</sup> ② 400 mL/m <sup>3</sup> ⑤ (für Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von weniger als 1 %, an n-Hexan von weniger als 5 % und an Cyclo-/Isohexanen von weniger als 25 %)
MAK (AT)	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics CAS No.: 64742-48-9	① 170 mL/m <sup>3</sup> ② 340 mL/m <sup>3</sup> ⑤ (für Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von weniger als 1 %, an n-Hexan von weniger als 5 % und an Cyclo-/Isohexanen von 25 % oder mehr)
WEL (GB)	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics CAS No.: 64742-48-9	① 1,200 mg/m <sup>3</sup> ⑤ (> or = C7, Normal and branched chain alkanes)
WEL (GB)	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics CAS No.: 64742-48-9	① 800 mg/m <sup>3</sup> ⑤ (> or = C7, Cycloalkanes)
SI	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics CAS No.: 64742-48-9	① 700 mg/m <sup>3</sup>
TRGS 900 (DE)	Chloroparaffins C14-C28 CAS No.: 85535-85-9	① 0.3 ppm (6 mg/m <sup>3</sup> ) ② 2.4 ppm (48 mg/m <sup>3</sup> ) ⑤ (Aerosol und Dampf, einatembare Fraktion, kann über die Haut aufgenommen werden)
SI	Chloroparaffins C14-C28 CAS No.: 85535-85-9	① 0.3 ppm (6 mg/m <sup>3</sup> ) ② 2.4 ppm (48 mg/m <sup>3</sup> ) ⑤ (frakcija ki jo je mogoče vdihniti; računati je treba z možnostjo prodiranja skozi kožo)



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### 8.1.2. Biological limit values

No data available

### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Chloroparaffins C14-C28 CAS No.: 85535-85-9	6.7 mg/m <sup>3</sup>	① DNEL worker ② inhalative, long-term, systemic

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

Avoid exposure. Do not breathe gas/fumes/vapour/spray.

### 8.2.2. Personal protection equipment



#### Eye/face protection:

During transfer: Eye glasses with side protection  
 DIN-/EN-Norms: DIN EN 166

#### Skin protection:

Hand protection

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

Thickness of the glove material:  $\geq 0,4$  mm

Breakthrough time (maximum wearing time)  $>480$  min

Breakthrough times and swelling properties of the material must be taken into consideration.

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.

Tested protective gloves must be worn: EN ISO 374

Suitable protective clothing: Protective clothing

#### Respiratory protection:

Usually no personal respirative protection necessary.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filtering device with filter or ventilator filtering device of type: AX

#### Other protection measures:

Wear suitable protective clothing. Take off immediately all contaminated clothing and wash it before reuse.

### 8.2.3. Environmental exposure controls

See section 7. No additional measures necessary.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

**Physical state:** Liquid

**Colour:** yellow

**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	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	200 °C			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			



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parameter		at °C	Method	Remark
Vapour density	<i>not determined</i>			
Density	812 kg/m <sup>3</sup>	20 °C		
Bulk density	<i>not determined</i>			
Water solubility	The study does not need to be conducted because the substance is known to be insoluble in water.			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	2 mm <sup>2</sup> /s	40 °C		

## 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.

### 10.5. Incompatible materials

Oxidizing agent  
 Strong acid  
 Alkali (lye), concentrated

### 10.6. Hazardous decomposition products

Gases/vapours, toxic, Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)  
 Do not inhale explosion and combustion gases. Danger of suffocation in case of accumulation in lowlying or closed rooms.

### Further information

Do not mix with other chemicals.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
64742-48-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics	<b>LD<sub>50</sub> oral:</b> >8,000 mg/kg (Rat) <b>LD<sub>50</sub> dermal:</b> >3,160 mg/kg (Rabbit) <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 4,951 mg/l 4 h (Rat)
85535-85-9	Chloroparaffins C14-C28	<b>LD<sub>50</sub> oral:</b> 4,000 mg/kg <b>LD<sub>50</sub> dermal:</b> 4,000 mg/kg <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 48,170 mg/l 1 h

### Acute oral toxicity:

May be fatal if swallowed and enters airways.



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**Acute dermal toxicity:**

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

**Acute inhalation toxicity:**

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

**Skin corrosion/irritation:**

Based on available data, the classification criteria are not met.  
 Frequently or prolonged contact with skin may cause dermal 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.

**Germ cell mutagenicity:**

No indications of human germ cell mutagenicity exist.

**Carcinogenicity:**

No indication of human carcinogenicity.

**Reproductive toxicity:**

May cause harm to breastfed babies.

**STOT-single exposure:**

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

**STOT-repeated exposure:**

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

**Aspiration hazard:**

Observe risk of aspiration if vomiting occurs.

**SECTION 12: Ecological information**

**12.1. Toxicity**

CAS No.	Substance name	Toxicological information
64742-48-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics	<b>LC<sub>50</sub></b> : >1,000 mg/l 4 d (fish, Oncorhynchus mykiss (Rainbow trout)) <b>EC<sub>50</sub></b> : >1,000 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) <b>ErC<sub>50</sub></b> : >1,000 mg/l 4 d (Algae/water plant, Pseudokirchneriella subcapitata)
85535-85-9	Chloroparaffins C14-C28	<b>ErC<sub>50</sub></b> : 3.2 mg/l 4 d (Algae/water plant)

**Assessment/classification:**

The product has not been tested.

**Additional ecotoxicological information:**

Do not allow uncontrolled discharge of product into the environment.

**12.2. Persistence and degradability**

**Abiotic degradation:**

Product is partially biodegradable. Significant residues remain.  
 The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

**12.3. Bioaccumulative potential**

**Accumulation / Evaluation:**

Bioaccumulative potential: Low

**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
64742-48-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2 % aromatics	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
85535-85-9	Chloroparaffins C14-C28	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.





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## 12.6. Other adverse effects

The product has not been tested.

## 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.

#### 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.

### 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

No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN-No.</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name</b>			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es)</b>			
not relevant			
<b>14.4. Packing group</b>			
not relevant			
<b>14.5. Environmental hazards</b>			
not relevant			
<b>14.6. Special precautions for user</b>			
not relevant			

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No transport as bulk according to IBC Code.

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

##### Restrictions on use:

entry 28: Hydrocarbons C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics

##### Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.



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### 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 juvenils according to the 'juvenile work protection guideline' (94/33/EC).

##### Annex Chemikalien-Verbotsverordnung (ChemVerbotsV)

Not applicable.

##### Störfallverordnung

##### for substances contained in the product:

This product is not assigned to a hazard category.

##### Technische Anleitung Luft (TA-Luft)

##### Remark:

To follow: 5.2.5

##### Water hazard class (WGK)

##### WGK:

2 - deutlich wassergefährdend

##### Source:

Self-classification (mixture; calculation rule).

##### Technische Regeln für Gefahrstoffe

Minimum protective measures according to TRGS 500

##### Berufsgenossenschaftliche Vorschriften (BGV)

To follow: Berufsgenossenschaftliche Informationen (BGI) 868

Berufsgenossenschaftliche Regeln (BGR) 189, 190, 192, 195

##### Other regulations, restrictions and prohibition regulations

Chlorinated paraffins (C14-C22) not listed in water pollution catalogue.

#### [CH] National regulations

##### Other regulations, restrictions and prohibition regulations

Mengenschwelle (Schweiz - StFV)

Gefahrencode

Brandverhütung, BVD (Schweiz)

Störfallverordnung (StFV)

### 15.2. Chemical Safety Assessment

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

### 15.3. Additional information

Tactile warning according to EN/ISO 11683. Child-resistant fastenings (EN/862/ISO 8317).

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

See overview table at [www.euphrac.eu](http://www.euphrac.eu)



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### 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
Aspiration hazard ( <i>Asp. Tox. 1</i> )	H304: May be fatal if swallowed and enters airways.	
Reproductive toxicity ( <i>Lact.</i> )	H362: May cause harm to breast-fed children.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	

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

Hazard statements	
H304	May be fatal if swallowed and enters airways.
H362	May cause harm to breast-fed children.
H410	Very toxic to aquatic life with long lasting effects.

Supplemental hazard information	
EUH066	Repeated exposure may cause skin dryness or cracking.

### 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.