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## 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 Super EP-Langzeitfett

Article No.:

1340104

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

Use of the substance/mixture:

grease

#### 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

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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]:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### \* 2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: -

##### Supplemental hazard information

EUH210 Safety data sheet available on request.

Precautionary Statements: -

#### 2.3. Other hazards

Other adverse effects:

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

### SECTION 3: Composition / information on ingredients

#### \* 3.2. Mixtures

Additional information:

This mixture does not contain any substances which either present a health or environmental hazard according to Regulation (EC) No. 1272/2008 or have an occupational exposure limit assigned.

## SECTION 4: First aid measures

- \* **4.1. Description of first aid measures**  
**General information:**  
Self-protection of the first aider. Change contaminated, saturated clothing.  
**Following inhalation:**  
No special measures are necessary. In case of respiratory tract irritation, consult a physician.  
**In case of skin contact:**  
After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.  
**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:**  
Do NOT induce vomiting.  
**Self-protection of the first aider:**  
First aider: Pay attention to self-protection!
- 4.2. Most important symptoms and effects, both acute and delayed**  
Gastrointestinal complaints
- \* **4.3. Indication of any immediate medical attention and special treatment needed**  
Treat symptomatically.

## SECTION 5: Firefighting measures

- 5.1. Extinguishing media**  
**Suitable extinguishing media:**  
alcohol resistant foam  
Dry extinguishing powder  
Carbon dioxide (CO<sub>2</sub>)  
Use water spray jet to protect personnel and to cool endangered containers.  
**Unsuitable extinguishing media:**  
Full water jet
- 5.2. Special hazards arising from the substance or mixture**  
In case of fire may be liberated: Gases/vapours, toxic  
**Hazardous combustion products:**  
Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Gases/vapours, toxic
- \* **5.3. Advice for firefighters**  
In case of fire: Wear self-contained breathing apparatus.  
Use personal protection equipment.
- 5.4. Additional information**  
Co-ordinate fire-fighting measures to the fire surroundings.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
Use water spray jet to protect personnel and to cool endangered containers.

## SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures**  
**6.1.1. For non-emergency personnel**  
**Personal precautions:**  
Special danger of slipping by leaking/spilling product.  
**Protective equipment:**  
Use personal protection equipment.  
**Emergency procedures:**  
Remove persons to safety. Provide adequate ventilation.
- 6.1.2. For emergency responders**  
**Personal protection equipment:**  
Use personal protection equipment.



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## 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

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

### For containment:

Suitable material for taking up: Sand, Earth, Sawdust

### For cleaning up:

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

## 6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

##### Advices on safe handling:

No special measures are necessary.

Keep/Store only in original container. Keep container tightly closed in a cool place. Store in a cool dry place.

##### Fire prevent measures:

Take precautionary measures against static discharge.

##### Environmental precautions:

See section 8.

#### 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.

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

#### Requirements for storage rooms and vessels:

Keep container tightly closed in a cool place. Store in a cool dry place.

Keep only in the original container at temperature not exceeding 60 °C.

#### Hints on storage assembly:

Do not store together with:

Oxidising agent

**Storage class:** 10 - 13 - Other combustible and non-combustible substances

#### Further information on storage conditions:

Keep only in the original container in a cool, well-ventilated place. Store in a cool dry place.

storage temperature +0 - +60°C

### 7.3. Specific end use(s)

#### Recommendation:

Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

## \* 8.1. Control parameters

No data available

## \* 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

See section 7. No additional measures necessary.

### 8.2.2. Personal protection equipment

#### Eye/face protection:

Suitable eye protection: Filling and transfer

DIN-/EN-Norms: DIN EN 166



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#### Skin protection:

Hand protection

Suitable material: NBR (Nitrile rubber), CR (polychloroprene, chloroprene 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.

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.

Tested protective gloves must be worn: EN ISO 374

Suitable protective clothing: Protective clothing

#### Respiratory protection:

Usually no personal respiratory protection necessary.

#### 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:** Paste

**Colour:** light brown

**Odour:** characteristic

##### Safety relevant basis data

parameter		at °C	Method	Remark
pH	not determined			
Melting point	not determined			
Freezing point	not determined			
Initial boiling point and boiling range	not determined			
Decomposition temperature	not determined			
Flash point	not determined			
Evaporation rate	not determined			
Auto-ignition temperature	not determined			
Upper/lower flammability or explosive limits	not applicable			
Vapour pressure	< 0.1 hPa	20 °C		
Vapour density	not determined			
Density	not determined			
Bulk density	not applicable			
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	not applicable			
Dynamic viscosity	not determined			
Kinematic viscosity	not applicable			
Drop point/drop range	180 °C			

#### 9.2. Other information

No data available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No known hazardous reactions.



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## 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

## 10.3. Possibility of hazardous reactions

No known hazardous reactions.

## 10.4. Conditions to avoid

To avoid thermal decomposition do not overheat. Do not store at temperatures above 60°C.

## 10.5. Incompatible materials

Oxidising agent, strong

## 10.6. Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

# SECTION 11: Toxicological information

## \* 11.1. Information on toxicological effects

### Acute oral toxicity:

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

### 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:

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

### Carcinogenicity:

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

### Reproductive toxicity:

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

### 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:

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

# SECTION 12: Ecological information

## \* 12.1. Toxicity

### 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:

The product has not been tested.

### Additional information:

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## 12.3. Bioaccumulative potential

### Partition coefficient: n-octanol/water:

not applicable

### Accumulation / Evaluation:

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

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

#### 12.6. Other adverse effects

The product has not been tested.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

##### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

##### Waste code packaging:

##### Remark:

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:

Completely emptied packages can 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

Not applicable.

##### Additional information:

No dangerous good in sense of these transport regulations.

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

##### 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.

Safety data sheet available on request.

#### 15.1.2. National regulations

##### [DE] National regulations

##### Störfallverordnung

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

This product is not assigned to a hazard category.

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

##### Remark:

Not subject to TA-Luft.

##### Water hazard class (WGK)

##### WGK:

1 - schwach wassergefährdend

##### Source:

Self-classification (mixture; calculation rule).

##### Technische Regeln für Gefahrstoffe

TRGS 500

TRGS 510

##### Berufsgenossenschaftliche Vorschriften (BGV)

Berufsgenossenschaftliche Informationen (BGI) 868

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

### 15.2. Chemical Safety Assessment

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

## SECTION 16: Other information

### \* 16.1. Indication of changes

2.1.	Classification of the substance or mixture
2.2.	Label elements
3.2.	Mixtures
4.1.	Description of first aid measures
4.3.	Indication of any immediate medical attention and special treatment needed
5.3.	Advice for firefighters
6.3.	Methods and material for containment and cleaning up
8.1.	Control parameters
8.2.	Exposure controls
9.1.	Information on basic physical and chemical properties
11.1.	Information on toxicological effects
12.1.	Toxicity
12.5.	Results of PBT and vPvB assessment
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](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]:**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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

No data available

### **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