



## RAVENOL Transfer Fluid DTF-1



ART.-NR. 1211128

1 L | 1211128-001  
4 L | 1211128-004  
10 L | 1211128-010  
20 L | 1211128-020  
20 L | 1211128-B20

**HERSTELLUNGSART** VOLLSYNTHETISCH

**EMPFEHLUNGEN** KIA (EU) STINGER 2.2 CRDI UND 3.3 T-GDI AWD (AB BJ. 2017) | GENESIS (USA) G90 3.3 T-GDI UND 5.0 GDI AWD (AB BJ. 2016) | BMW DTF-1 83220306816 FÜR TRANSFER CASE XDRIVE: ATC 300, ATC350, ATC400, ATC450, ATC500, ATC700; | BMW DTF-1 83222409710 | VW G052533 A2 FÜR TRANSFER CASE 0C7 FÜR AMAROK | VW G052536 A2 FÜR TRANSFER CASE 0BU FÜR TOUAREG, AMAROK UND AUDI Q7 | VW G052515 A2 (VORHER: G055515 A2) FÜR TRANSFER CASE 0AD UND 0BV FÜR TOUAREG, Q7 | PORSCHE 000.043.305.63 MACAN 95B (AB 2014) UND CAYENNE 92A / 958 (BENZIN-MOTOREN AB 2010 BIS 2018) TRANSFER CASE PL72 ATC (NV325) | PORSCHE 000.043.301.36 CAYENNE 9PA/9PA1 955 / 957 (AB 2002 BIS 2010) TRANSFER CASE PL72 T (NV325) | NISSAN KLD22-00001EU FÜR TRANSFER CASE ATX90A | NISSAN 999MP-TF0870P | ATF TF-0870 | LAND ROVER IYK500010 | ATF TF-0753 | MOPAR 68049954AA FÜR BORGWARNER 44-40 VERTEILERGETRIEBE | MB 239.41 TORQUE-ON-DEMAND (TOD) VERTEILERGETRIEBE IM TYP 167 GLE, TYP 463 G-KLASSE, TYP 470 X-KLASSE, TYP 471 MIT MOTOR OM642

**RAVENOL Transfer Fluid DTF-1** ist ein PAO (Polyalphaolefin) basiertes, vollsynthetisches ATF (Automatic- Transmission-Fluid) mit einer speziellen Additivierung und Inhibierung, die eine einwandfreie Funktion des aktiven Verteilergetriebes gewährleisten.

**RAVENOL Transfer Fluid DTF-1** ist ein vollsynthetischer Getriebe-Schmierstoff für elektronisch gesteuerte aktive Verteilergetriebe.

## Anwendungshinweis

**RAVENOL Transfer Fluid DTF-1** wurde entwickelt für den Einsatz in aktiven Verteilergetrieben (Active Transfer Case).

**RAVENOL Transfer Fluid DTF-1** sorgt für eine stabile Viskosität auch unter höchster Beanspruchung.

## Eigenschaften

**RAVENOL Transfer Fluid DTF-1** bietet:

- Sehr gutes Schmiervermögen auch bei sehr tiefen Temperaturen im Winter
- Sehr hohen, stabilen Viskositätsindex
- Sehr niedrigen Fließpunkt
- Sehr gute Oxidationsstabilität
- Weitestgehenden Schutz gegen Verschleiß, Korrosion und Schaumbildung



- Gut abgestimmte Reibwerteigenschaften
- Neutrales Verhalten gegenüber Dichtungsmaterialien
- Neutrales Verhalten durch Inhibierung gegenüber Nicht-Eisen-Metallen

RAVENOL Spezial-Getriebefluids sind Sonderentwicklungen für spezielle Getriebe und können nicht aufgrund technischer Kennwerte

(Viskosität, usw.) ausgewählt werden. Deshalb wurde die Entscheidung getroffen, keine technischen Daten anzugeben.

Bitte beachten: RAVENOL Spezial-Getriebefluid ist ausschließlich gemäß der Originalnummer, wie in der Produktinformation

angegeben, anzuwenden. Bei Unklarheiten über das richtige Getriebefluid lassen Sie sich bei Ihrer Werkstatt oder dem Autohaus

bezüglich dem Getriebetyp und OEM Originalnummer beraten oder fragen Sie unsere Berater, dabei unbedingt den FIN-Code

(Fahrzeugidentifizierungsnummer) Ihres Fahrzeugs angeben.

Fehlerhafte Anwendung von RAVENOL Spezial-Getriebefluid kann zur Funktionsstörung des Getriebes, Schaltproblemen, erhöhtem

Kraftstoffverbrauch, unerwünschtem Schlupfverhalten, u.v.m. führen und den Ausfall des Getriebes verursachen.

Ravensberger Schmierstoffvertrieb GmbH haftet bei falscher Auswahl des RAVENOL Spezial-Getriebefluids nicht für Getriebeausfälle.



Eigenschaften	Einheit	Daten	Prüfung nach
Dichte bei 20°C	kg/m <sup>3</sup>	831,0	EN ISO 12185
Aussehen/Farbe		gelb	visuell
Pourpoint	°C	-63	DIN ISO 3016

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: 27. Januar 2021



Revision date: 25-Jan-2017 Version: 1 Print date: 02-Jul-2018

**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 PDK Fluid

Article No.:

1211131

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

Use of the substance/mixture:

Lubricant

**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 (Company ID: RAV) (outside USA/Canada)  
011 49 700 24 112 112 (Company ID: RAV) (inside USA/Canada), +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
Acute toxicity (inhalative) (Acute Tox. 4)	H332: Harmful if inhaled.	
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

**2.2. Label elements**

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

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

Hazard components for labelling:

Dec-1-ene, dimers, hydrogenated; Dec-1-en, Trimere, hydrated

hazard statements for health hazards	
H332	Harmful if inhaled.



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**Hazard statements for environmental hazards**

H412 Harmful to aquatic life with long lasting effects.

**Supplemental Hazard information (EU)**

EUH208 Contains Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs., 2-ethylhexyl methacrylate. May produce an allergic reaction.

**Precautionary statements Prevention**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.

**Precautionary statements Response**

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.

**Precautionary statements Disposal**

P501 Dispose of contents/container to according to official regulations for disposal.

**2.3. Other hazards**

No data available

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

**3.2. Mixtures**

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

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CL P]	Concentration
CAS No.: 157707-86-3 EC No.: 500-393-3	<b>Dec-1-en, Trimere, hydrated</b> Asp. Tox. 1 H304	30 - 60 Wt %
CAS No.: 68649-11-6 EC No.: 500-228-5	<b>Dec-1-ene, dimers, hydrogenated</b> Acute Tox. 4, Asp. Tox. 1 H304	10 - 20 Wt %
CAS No.: 36878-20-3 EC No.: 253-249-4	<b>bis(nonylphenyl)amine</b> Aquatic Chronic 4 H413	0 - < 2 Wt %
CAS No.: 61791-44-4 EC No.: 263-177-5	<b>Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.</b> Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 3 H302-H314-H317-H412	0 - < 1 Wt %
CAS No.: 688-84-6 EC No.: 211-708-6	<b>2-ethylhexyl methacrylate</b> Skin Sens. 1B, STOT SE 3, Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3 H315-H317-H319-H335-H412	0 - < 1 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:**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

**Following inhalation:**

Provide fresh air. Consult a doctor immediately. Harmful by inhalation.

**In case of skin contact:**

After contact with skin, wash immediately with plenty of water and soap. Consult a doctor immediately.

**After eye contact:**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

**After ingestion:**

Rinse mouth thoroughly with water. Do NOT induce vomiting. Consult a doctor immediately.



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

Use personal protection equipment. No direct artificial respiration to be given by first aider.

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

May produce an allergic reaction.

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

Treat symptomatically. Observe risk of aspiration if vomiting occurs.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media:**

Co-ordinate fire-fighting measures to the fire surroundings.

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

Extinguishing powder

alcohol resistant foam

**Unsuitable extinguishing media:**

Full water jet

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

During heating or in case of fire, toxic gases is possible.

The formation of combustible vapours is possible at temperatures above: Flash point

When hot, product develops flammable vapours.

**Hazardous combustion products:**

Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), Gases/vapours, toxic During heating or in case of fire, toxic gases is possible.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

**5.4. Additional information**

Do not inhale explosion and combustion gases. Move undamaged containers from immediate hazard area if it can be done safely. 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. Special danger of slipping by leaking/spilling product. Remove persons to safety.

**Protective equipment:**

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

**6.1.2. For emergency responders**

**Personal protection equipment:**

Use personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**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

**For cleaning up:**

Remove from the water surface (e.g. skimming, sucking). 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.



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### 6.4. Reference to other sections

Safe handling: see section 7  
 Disposal: see section 13  
 Personal protection equipment: see section 8

### 6.5. Additional information

Clear spills immediately. Use appropriate container to avoid environmental contamination. Harmful to aquatic life with long lasting effects.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

#### Advices on safe handling:

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Do not put any product-impregnated cleaning rags into your trouser pockets. Clear spills immediately. Use appropriate container to avoid environmental contamination.

#### Fire prevent measures:

No special fire protection measures are necessary.

#### 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.

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

#### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

#### Requirements for storage rooms and vessels:

Suitable container/equipment material: Floors should be impervious, resistant to liquids and easy to clean. Shafts and sewers must be protected from entry of the product.  
 Keep/Store only in original container.

#### Hints on storage assembly:

not required

**Storage class:** 10 - Combustible liquids that cannot be assigned to any of the above storage classes

#### Further information on storage conditions:

Store in a cool dry place. Keep away from heat.

### 7.3. Specific end use(s)

#### Recommendation:

Observe technical data sheet.

## 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
DFG (DE)	Dec-1-ene, dimers, hydrogenated CAS No.: 68649-11-6	① 5 mg/m <sup>3</sup> ② 20 mg/m <sup>3</sup> ⑤ (alveolengängige Fraktion)
DFG (DE)	diphenylamine CAS No.: 122-39-4	① 5 mg/m <sup>3</sup> ② 10 mg/m <sup>3</sup> ⑤ (einatembare Fraktion, kann über die Haut aufgenommen werden)

#### 8.1.2. Biological limit values

No data available



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### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Isooctadecanoic acid, reaction products with tetra ethylenepentamine CAS No.: 68784-17-8	11.75 mg/m <sup>3</sup>	① DNEL worker ② DNEL long-term inhalative (systemic)
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol CAS No.: 91648-65-6	4.408 mg/m <sup>3</sup>	① DNEL worker ② DNEL long-term inhalative (systemic)

### 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:

During transfer: Eye glasses with side protection

##### Skin protection:

Hand protection

Suitable material: NBR (Nitrile rubber), PVC (Polyvinyl chloride)

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.

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.

### 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:** 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 (°C):	<i>not determined</i>			
Flash point	200 °C			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Relative density	844 kg/m <sup>3</sup>	20 °C		
Bulk density	<i>not determined</i>			





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parameter		at °C	Method	Remark
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	31.7 mm <sup>2</sup> /s	40 °C		

## 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No known hazardous reactions. Risk of explosion if heated under confinement.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

To avoid thermal decomposition do not overheat.

### 10.5. Incompatible materials

Materials to avoid: Acid, Reducing agent

### 10.6. Hazardous decomposition products

Hazardous combustion products: Carbon dioxide Carbon monoxide Nitrogen oxides (NO<sub>x</sub>)

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
36878-20-3	bis(nonylphenyl)amine	<b>LD<sub>50</sub> oral:</b> 5,000 g/m <sup>3</sup> (Rat) <b>LD<sub>50</sub> dermal:</b> >2,000 g/m <sup>3</sup> (Rabbit)
122-39-4	diphenylamine	<b>LD<sub>50</sub> oral:</b> 1,120 mg/kg

#### Acute oral toxicity:

The product has not been tested.

#### Acute dermal toxicity:

No information available for acute dermal and inhalative toxicity.

#### Acute inhalation toxicity:

No information available for acute dermal and inhalative toxicity.

#### Skin corrosion/irritation:

No irritant effect.

Frequently or prolonged contact with skin may cause dermal irritation.

#### Serious eye damage/irritation:

No irritant effect.

#### Respiratory or skin sensitisation:

No sensitizing effects known.

#### 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.

#### Aspiration hazard:

Observe risk of aspiration if vomiting occurs.



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## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No.	Substance name	Toxicological information
36878-20-3	bis(nonylphenyl)amine	LC <sub>50</sub> : >100 mg/l 4 d EC <sub>50</sub> : >100 mg/l 2 d EC <sub>50</sub> : 600 mg/l 3 d
68784-17-8	Isooctadecanoic acid, reaction products with tetraethylenepentamine	EC <sub>50</sub> : 94 mg/l 4 d NOEC: 23 mg/l 4 d EC <sub>50</sub> : >1,000 mg/l 2 d NOEC: 32 mg/l 21 d LC <sub>50</sub> : >1,000 mg/l 4 d

#### Additional ecotoxicological information:

Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
68649-11-6	Dec-1-ene, dimers, hydrogenated	Yes, rapidly	
36878-20-3	bis(nonylphenyl)amine	No	

#### Biodegradation:

Not readily biodegradable (according to OECD criteria)

### 12.3. Bioaccumulative potential

CAS No.	Substance name	Log K <sub>OC</sub>	Bioconcentration factor (BCF)
36878-20-3	bis(nonylphenyl)amine	7.6	1,584.89
68784-17-8	Isooctadecanoic acid, reaction products with tetraethylenepentamine	45.8	

#### Accumulation / Evaluation:

The product has not been tested.

### 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
157707-86-3	Dec-1-en, Trimere, hydrated	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
68649-11-6	Dec-1-ene, dimers, hydrogenated	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
36878-20-3	bis(nonylphenyl)amine	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
68784-17-8	Isooctadecanoic acid, reaction products with tetraethylenepentamine	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
91648-65-6	1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol	—
	Polymere	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
61791-44-4	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
688-84-6	2-ethylhexyl methacrylate	—

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

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of waste according to applicable legislation.



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### 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:

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.

### 14.1. UN-No.

not relevant

### 14.2. UN proper shipping name

not relevant

### 14.3. Transport hazard class(es)

not relevant

### 14.4. Packing group

not relevant

### 14.5. Environmental hazards

not relevant

### 14.6. Special precautions for user

not relevant

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

#### Water hazard class (WGK)

#### WGK:

2 - deutlich wassergefährdend

#### Description:

hazardous to water (WGK 2)

#### Source:

Classification according to VwVwS, Annex 4.



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### Technische Regeln für Gefahrstoffe

TRGS 510

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

### Berufsgenossenschaftliche Vorschriften (BGV)

Berufsgenossenschaftliche Informationen (BGI) 868

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

### Other regulations, restrictions and prohibition regulations

Altöl-Verordnung (AltöIV)

### 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

sections 1-16

### 16.2. Abbreviations and acronyms

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

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

### 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
Acute toxicity (inhalative) (Acute Tox. 4)	H332: Harmful if inhaled.	
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

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

Hazard statements	
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.



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### 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.