



Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

**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 RNF SAE 0W-20

Article No.:

1111153

UFI:

DP44-9YPJ-TG2P-53TY

**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**

Produktsicherheit  
Jöllenbecker Str. 2  
33824 Werther  
Germany

**Telephone:** +49 5203 9719 0

**Telefax:** +49 5203 9719 40

**E-mail:** kontakt@ravenol.de

**Website:** www.ravenol.de

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

**1.4. Emergency telephone number**

24 hr. emergency phone number, 24h: +49 700 24 112 112 (Contract ID: RAV) / +1 872 5888271  
(Contract ID: RAV)

**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
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	Calculation method.

\* **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:**

C14-16-18 Alkyl phenol; Molybdenum alkylthiocarbamide complex

Hazard statements for health hazards	
H317	May cause an allergic skin reaction.



Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

**Supplemental hazard information:** none

**Precautionary statements Prevention**

P261	Avoid breathing vapours and spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves and eye/face protection.

**Precautionary statements Response**

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

**Precautionary statements Disposal**

P501	Dispose of contents/container to an appropriate recycling or disposal facility.
------	---

**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**

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

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 64742-54-7 EC No.: 265-157-1 REACH No.: 01-2119484627-25	<b>Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified</b> Asp. Tox. 1 (H304) Danger	45 - < 75 weight-%
CAS No.: 68037-01-4 EC No.: 500-183-1 REACH No.: 01-2119486452-34	<b>1-decene, homopolymer, hydrogenated</b> Asp. Tox. 1 (H304) Danger	6 - < 12 weight-%
CAS No.: 1190625-94-5 EC No.: 931-468-2 REACH No.: 01-2119498288-19	<b>C14-16-18 Alkyl phenol</b> STOT RE 2 (H373), Skin Sens. 1B (H317) Warning	0 - < 1.23 weight-%
CAS No.: 36878-20-3 EC No.: 253-249-4 REACH No.: 01-2119488911-28	<b>bis(nonylphenyl)amine</b> Aquatic Chronic 4 (H413)	< 1 weight-%
EC No.: 457-320-2 REACH No.: 01-0000019337-66	<b>Molybdenum alkylthiocarbamide complex</b> Aquatic Chronic 3 (H412), Skin Irrit. 2 (H315), Skin Sens. 1B (H317) Warning	0 - < 0.15 weight-%

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 but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

**Following inhalation:**

Provide fresh air. Consult a doctor immediately. 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. Consult a doctor immediately. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

**Following ingestion:**

Rinse mouth thoroughly with water. Consult a doctor immediately. Rinse mouth. Let 1 glass of water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

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

Use personal protection equipment.



Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

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

May cause an allergic skin 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:**

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

Extinguishing powder

alcohol resistant foam

Use water spray jet to protect personnel and to cool endangered containers. Water spray jet

**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

Combustible

**Hazardous combustion products:**

Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>),

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.

**Protective equipment:**

Personal protection equipment: see section 8

**Emergency procedures:**

Eliminate all ignition sources if safe to do so. Remove persons to safety. Provide adequate ventilation.

**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

Prevent spread over a wide area (e.g. by containment or oil barriers).

**For cleaning up:**

Remove from the water surface (e.g. skimming, sucking). Absorb with liquid-binding material (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



Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

Disposal: see section 13  
 Personal protection equipment: see section 8

**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:**

Personal protection equipment: see section 8.  
 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:**

Shafts and sewers must be protected from entry of the product.

**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 (TRGS 510, Germany):** 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
PL from 12 Jun 2018	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ⑤ (Mgła olejowa mineralny)
MAK (AT)	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ⑤ (Ölnebel, mineralisch (einatembare Fraktion))
BE	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ⑤ (Brouillard d'huile minéral)



Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

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
Québec (CA)	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ② 10 mg/m <sup>3</sup> ⑤ (Oil mist mineral)
HU from 28 May 2022	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ⑤ (Olajköd ásványi) T
SE	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 1 mg/m <sup>3</sup> ② 3 mg/m <sup>3</sup> ⑤ (Oljeånga eller rök)
ES	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ② 10 mg/m <sup>3</sup> ⑤ (Niebla de aceite mineral) am
NL	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ⑤ (Olienevel mineraal)
OSHA (US)	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ⑤ (Oil mist mineral)
NIOSH (US)	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ② 10 mg/m <sup>3</sup> ⑤ (Oil mist mineral)
ACGIH (US) from 1 Jan 2010	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ⑤ (Oil mist mineral, inhalable fraction)
CZ	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ② 10 mg/m <sup>3</sup> ⑤ (Rozprášený olej (olejová mlhovina) minerální)
NO	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 1 mg/m <sup>3</sup> ⑤ (Oljetåke mineralsk)
NPEL (SK) from 23 Nov 2011	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 ppm (1 mg/m <sup>3</sup> ) ② 15 ppm (3 mg/m <sup>3</sup> ) ⑤ (Olejová hmlovina minerálny)
Alberta (CA)	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ② 10 mg/m <sup>3</sup> ⑤ (Oil mist mineral)
HTP (FI)	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ⑤ (Óljysumu)
LT	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 1 mg/m <sup>3</sup> ② 3 mg/m <sup>3</sup> ⑤ (Tepalo rūkas arba dūmai)
BC (CA) from 1 Jan 2007	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 0.2 mg/m <sup>3</sup> ⑤ (Oil mist mineral) 1



Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

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
MY from 1 Jan 2000	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ⑤ (Kabus minyak mineral)
BC (CA) from 1 Jan 2007	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 1 mg/m <sup>3</sup> ⑤ (Oil mist mineral, severely refined)
TW	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ⑤ (## ##)
GR from 1 Oct 2016	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ⑤ (Εκκνέφωμα λαδιού, ορυκτό)
MY from 1 Jan 2000	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 10 mg/m <sup>3</sup> ⑤ (Kabus minyak, vegetal)
RO from 21 Aug 2018	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ② 10 mg/m <sup>3</sup> ⑤ (Ceata uleioasa mineral)
CH from 1 Jan 2022	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ⑤ (einatembare Fraktion) C2; Tox: Lunge; Messmeth: NIOSH DFG
LV from 12 Jul 2018	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ⑤ (Eļļas migla)
JP	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 3 mg/m <sup>3</sup> ⑤ (##### ##)
IDLH (US) from 1 Jan 1994	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 2,500 mg/m <sup>3</sup>
IE from 1 Apr 2016	<b>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil</b> CAS No.: 72623-87-1 EC No.: 276-738-4	① 5 mg/m <sup>3</sup> ⑤ (Oil mist mineral, inhalable fraction)
CH from 1 Jan 2022	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup> ⑤ (einatembare Fraktion; Dampf und Aerosol; kann über die Haut aufgenommen werden) H SSC; Tox: Niere Blut Leber; Messmeth: NIOSH OSHA
BE	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup>
CZ from 1 Mar 2020	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup> ② 20 mg/m <sup>3</sup> ⑤ (může pronikat pokožkou) D
NO	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 5 mg/m <sup>3</sup>



Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

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
IE	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup> ② 20 mg/m <sup>3</sup>
MY from 1 Jan 2000	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup>
HTP (FI)	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 5 mg/m <sup>3</sup> ② 10 mg/m <sup>3</sup>
LT	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 4 mg/m <sup>3</sup> ② 12 mg/m <sup>3</sup> ⑤
SE	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 4 mg/m <sup>3</sup> ③ 12 mg/m <sup>3</sup>
MAK (AT)	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 0.7 ppm (5 mg/m <sup>3</sup> ) ⑤ (einatembare Fraktion, kann über die Haut aufgenommen werden) H
MAK (AT)	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	② 1.4 ppm (10 mg/m <sup>3</sup> ) ⑤ (einatembare Fraktion, max. 4x15 min./Schicht, kann über die Haut aufgenommen werden) H
DK	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 5 mg/m <sup>3</sup> ② 10 mg/m <sup>3</sup>
BG	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup>
HR	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup> ② 20 mg/m <sup>3</sup>
RO	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 4 mg/m <sup>3</sup> ② 6 mg/m <sup>3</sup>
EE	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup>
Alberta (CA)	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup>
ES	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup> ⑤ s
BC (CA)	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup>
VLA (FR)	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup>
WEL (GB)	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup> ② 20 mg/m <sup>3</sup>
SI from 4 Dec 2018	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 5 mg/m <sup>3</sup> ② 10 mg/m <sup>3</sup> ⑤ (frakcija ki jo je mogoče vdihniti, računati je treba z možnostjo prodiranja skozi kožo) K, Y





Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

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
TW	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup>
KR	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup>
IS	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 5 mg/m <sup>3</sup>
CN from 1 Jan 2007	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup>
GR from 1 Oct 2016	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup> ② 20 mg/m <sup>3</sup>
TRGS 900 (DE) from 29 Mar 2019	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 5 mg/m <sup>3</sup> ② 10 mg/m <sup>3</sup> ⑤ (kann über die Haut aufgenommen werden) DFG, Y, H
PL from 12 Jun 2018	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 8 mg/m <sup>3</sup> ⑤ (wdychalna frakcja)
NIOSH (US)	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup>
ACGIH (US)	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup> ⑤ (A4)
Québec (CA)	<b>diphenylamine</b> CAS No.: 122-39-4 EC No.: 204-539-4	① 10 mg/m <sup>3</sup>

### 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
<b>Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based</b> CAS No.: 72623-86-0 EC No.: 276-737-9	2.73 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
<b>Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based</b> CAS No.: 72623-86-0 EC No.: 276-737-9	5.58	① DNEL worker ② Long-term - inhalation, local effects
<b>Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based</b> CAS No.: 72623-86-0 EC No.: 276-737-9	0.97 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
<b>C14-16-18 Alkyl phenol</b> CAS No.: 1190625-94-5 EC No.: 931-468-2	1.17 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
<b>bis(nonylphenyl)amine</b> CAS No.: 36878-20-3 EC No.: 253-249-4	5 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
<b>Molybdenum alkylthiocarbamide complex</b> EC No.: 457-320-2	3.52 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects





Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

Substance name	DNEL value	① DNEL type ② Exposure route
<b>Molybdenum alkylthiocarbamide complex</b> EC No.: 457-320-2	2.24 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
<b>Molybdenum alkylthiocarbamide complex</b> EC No.: 457-320-2	0.112 mg/cm <sup>2</sup>	① DNEL worker ② Long-term - dermal, local effects

Substance name	PNEC Value	① PNEC type
<b>Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based</b> CAS No.: 72623-86-0 EC No.: 276-737-9	9.99 mg/kg	① PNEC secondary poisoning
<b>C14-16-18 Alkyl phenol</b> CAS No.: 1190625-94-5 EC No.: 931-468-2	100 µg/L	① PNEC aquatic, freshwater
<b>C14-16-18 Alkyl phenol</b> CAS No.: 1190625-94-5 EC No.: 931-468-2	10 µg/L	① PNEC aquatic, marine water
<b>C14-16-18 Alkyl phenol</b> CAS No.: 1190625-94-5 EC No.: 931-468-2	100 mg/L	① PNEC sewage treatment plant
<b>C14-16-18 Alkyl phenol</b> CAS No.: 1190625-94-5 EC No.: 931-468-2	4,266.16 mg/kg bw/day	① PNEC sediment, freshwater
<b>C14-16-18 Alkyl phenol</b> CAS No.: 1190625-94-5 EC No.: 931-468-2	426.62 mg/kg bw/day	① PNEC sediment, marine water
<b>C14-16-18 Alkyl phenol</b> CAS No.: 1190625-94-5 EC No.: 931-468-2	852.58 mg/kg bw/day	① PNEC soil
<b>C14-16-18 Alkyl phenol</b> CAS No.: 1190625-94-5 EC No.: 931-468-2	3.3 mg/kg bw/day	① PNEC secondary poisoning
<b>C14-16-18 Alkyl phenol</b> CAS No.: 1190625-94-5 EC No.: 931-468-2	1 mg/L	① PNEC aquatic, intermittent release
<b>bis(nonylphenyl)amine</b> CAS No.: 36878-20-3 EC No.: 253-249-4	412 µg/L	① PNEC aquatic, freshwater
<b>bis(nonylphenyl)amine</b> CAS No.: 36878-20-3 EC No.: 253-249-4	41.2 µg/L	① PNEC aquatic, marine water
<b>bis(nonylphenyl)amine</b> CAS No.: 36878-20-3 EC No.: 253-249-4	1 mg/L	① PNEC aquatic, intermittent release
<b>Molybdenum alkylthiocarbamide complex</b> EC No.: 457-320-2	0.081 mg/L	① PNEC aquatic, freshwater
<b>Molybdenum alkylthiocarbamide complex</b> EC No.: 457-320-2	0.008 mg/L	① PNEC aquatic, marine water
<b>Molybdenum alkylthiocarbamide complex</b> EC No.: 457-320-2	10 mg/L	① PNEC sewage treatment plant
<b>Molybdenum alkylthiocarbamide complex</b> EC No.: 457-320-2	195 mg/kg	① PNEC sediment, freshwater
<b>Molybdenum alkylthiocarbamide complex</b> EC No.: 457-320-2	19.5 mg/kg	① PNEC sediment, marine water
<b>Molybdenum alkylthiocarbamide complex</b> EC No.: 457-320-2	0.872 mg/kg	① PNEC soil



Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

Substance name	PNEC Value	① PNEC type
<b>Molybdenum alkylthiocarbamide complex</b> EC No.: 457-320-2	20 mg/kg	① PNEC secondary poisoning

\* **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  
 Wear eye/face protection. EN 166

**Skin protection:**

Hand protection  
 Suitable material: NBR (Nitrile rubber), PVC (polyvinyl chloride), CR (polychloroprene, chloroprene rubber)  
 Thickness of the glove material: ≥ 0,4 mm  
 Breakthrough 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 In the case of wanting to use the gloves again, clean them before taking off and air them well.

**Respiratory protection:**

Usually no personal respiratory protection necessary. Filtering device with filter or ventilator filtering device of type: A

**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:** tawny

**Odour:** characteristic

**Safety relevant basis data**

Parameter	Value	at °C	① Method ② Remark
pH	<i>not applicable</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 applicable</i>		
Flash point	226 °C		
Evaporation rate	<i>not determined</i>		
Auto-ignition temperature	<i>not determined</i>		
Upper/lower flammability or explosive limits	<i>not applicable</i>		
Vapour pressure	<i>not determined</i>		
Vapour density	<i>not applicable</i>		
Density	842 kg/m <sup>3</sup>	15 °C	
Relative density	<i>not applicable</i>		
Bulk density	<i>not applicable</i>		



Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

Parameter	Value	at °C	① Method ② Remark
Water solubility	practically insoluble		
Partition coefficient: n-octanol/water	<i>not applicable</i>		
Dynamic viscosity	<i>not determined</i>		
Kinematic viscosity	39 mm <sup>2</sup> /s	40 °C	

**9.2. Other information**

Not applicable

**SECTION 10: Stability and reactivity**

\* **10.1. Reactivity**

No known hazardous reactions. Combustible liquid.

**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, Oxidising agent, Reducing agent

**10.6. Hazardous decomposition products**

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

**SECTION 11: Toxicological information**

\* **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

<b>Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified</b> CAS No.: 64742-54-7 EC No.: 265-157-1
<b>LD<sub>50</sub> oral:</b> 5,000 mg/kg (Rat) OECD 401
<b>LD<sub>50</sub> dermal:</b> 5,000 mg/kg (Rabbit) OECD 402
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> 5.53 mg/L 4 h (Rat) OECD 403
<b>1-decene, homopolymer, hydrogenated</b> CAS No.: 68037-01-4 EC No.: 500-183-1
<b>LD<sub>50</sub> oral:</b> >5,000 mg/kg (Rat)
<b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Rabbit)
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> >5 mg/L 4 h (Rat)
<b>C14-16-18 Alkyl phenol</b> CAS No.: 1190625-94-5 EC No.: 931-468-2
<b>LD<sub>50</sub> oral:</b> 2,000 mg/kg
<b>LD<sub>50</sub> dermal:</b> 2,000 mg/kg
<b>bis(nonylphenyl)amine</b> CAS No.: 36878-20-3 EC No.: 253-249-4
<b>LD<sub>50</sub> oral:</b> >5,000 mg/kg (Rat)
<b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Rabbit)
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> >5 mg/L
<b>Molybdenum alkylthiocarbamide complex</b> EC No.: 457-320-2
<b>LD<sub>50</sub> oral:</b> >2,000 mg/kg (Rat) OECD Guideline 425
<b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Rat) OECD Guideline 402

**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.



Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

**Skin corrosion/irritation:**

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

**Serious eye damage/irritation:**

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

**Respiratory or skin sensitisation:**

May cause an allergic skin reaction.

**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:**

Observe risk of aspiration if vomiting occurs.

For viscosity data, see section 9.

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

**Additional information:**

Frequently or prolonged contact with skin may cause dermal irritation.

**11.2. Information on other hazards**

**Endocrine disrupting properties:**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

**SECTION 12: Ecological information**

\* **12.1. Toxicity**

<b>Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified</b> CAS No.: 64742-54-7 EC No.: 265-157-1
<b>LC<sub>50</sub>:</b> 100 mg/L 4 d (fish)
<b>LC<sub>50</sub>:</b> 10,000 mg/L 4 d (crustaceans)
<b>EC<sub>50</sub>:</b> 10,000 mg/L 2 d (crustaceans)
<b>NOEC:</b> 100 mg/L 4 d (fish)
<b>NOEC:</b> 100 mg/L 3 d (Algae/water plant)
<b>NOEC:</b> ≥100 mg/L 3 d (Algae/water plant, Algen)
<b>1-decene, homopolymer, hydrogenated</b> CAS No.: 68037-01-4 EC No.: 500-183-1
<b>LC<sub>50</sub>:</b> >750 mg/L 4 d (fish)
<b>EC<sub>50</sub>:</b> 190 mg/L 2 d (crustaceans, Daphnia pulex (water flea))
<b>EC<sub>50</sub>:</b> >1,000 mg/L 3 d (Algae/water plant)
<b>C14-16-18 Alkyl phenol</b> CAS No.: 1190625-94-5 EC No.: 931-468-2
<b>EC<sub>50</sub>:</b> 100 mg/L 2 d (crustaceans)
<b>EC<sub>50</sub>:</b> 100 mg/L 2 d (Algae/water plant)
<b>Molybdenum alkylthiocarbamide complex</b> EC No.: 457-320-2
<b>LC<sub>50</sub>:</b> 670 mg/L 4 d (fish)
<b>EC<sub>50</sub>:</b> 50 mg/L 2 d (crustaceans)
<b>NOEC:</b> 100 mg/L 21 d (crustaceans)
<b>EC<sub>50</sub>:</b> 9.62 mg/L 3 d (Algae/water plant)
<b>NOEC:</b> 4.05 mg/L 3 d (Algae/water plant)

**Assessment/classification:**

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

**Additional ecotoxicological information:**

Do not allow uncontrolled discharge of product into the environment.



Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

\* **12.2. Persistence and degradability**

**Biodegradation:**

Not readily biodegradable (according to OECD criteria)

\* **12.3. Bioaccumulative potential**

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

not applicable

**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**

<b>Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified</b> CAS No.: 64742-54-7 EC No.: 265-157-1
<b>Results of PBT and vPvB assessment:</b> This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
<b>1-decene, homopolymer, hydrogenated</b> CAS No.: 68037-01-4 EC No.: 500-183-1
<b>Results of PBT and vPvB assessment:</b> This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
<b>Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based</b> CAS No.: 72623-86-0 EC No.: 276-737-9
<b>Results of PBT and vPvB assessment:</b> This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
<b>Paraffin oils (petroleum), catalytic dewaxed heavy</b> CAS No.: 64742-70-7 EC No.: 265-174-4
<b>Results of PBT and vPvB assessment:</b> This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
<b>C14-16-18 Alkyl phenol</b> CAS No.: 1190625-94-5 EC No.: 931-468-2
<b>Results of PBT and vPvB assessment:</b> This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
<b>Molybdenum alkylthiocarbamide complex</b> EC No.: 457-320-2
<b>Results of PBT and vPvB assessment:</b> This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

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

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

\* **12.7. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Dispose of waste according to applicable legislation.

**Waste treatment options**

**Appropriate disposal / Product:**

Dispose of waste according to applicable legislation.

**Appropriate disposal / Package:**

Non-contaminated packages may be recycled.

**Other disposal recommendations:**

Consult the appropriate local waste disposal expert about waste disposal.

**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)
<b>14.1. UN number or ID number</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.



Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<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	not relevant	not relevant	not relevant
<b>14.4. Packing group</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.5. Environmental hazards</b>			
not relevant	not relevant	not relevant	not relevant
<b>14.6. Special precautions for user</b>			
not relevant	not relevant	not relevant	not relevant

**14.7. Maritime transport in bulk according to IMO instruments**  
 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**  
**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.

**15.1.2. National regulations**

 **[DE] National regulations**  
**Störfallverordnung (12. BImSchV)**  
**for substances contained in the product:**  
 This product is not assigned to a hazard category.  
**Technische Anleitung zur Reinhaltung der Luft (TA-Luft)**  
**Remark:**  
 Annex 4: ingredient(s) not named.  
 To follow: 5.2.5

**Water hazard class**  
**WGK:**  
 1 - slightly hazardous to water  
**Source:**  
 Self-classification (mixture; calculation rule).  
 Identification number 436

**Technische Regeln für Gefahrstoffe**  
 TRGS 510  
 TRGS 500

**Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)**  
 Berufsgenossenschaftliche Informationen (DGUV-Informationen) 868  
 Berufsgenossenschaftliche Regeln (DGUV-Regeln) 189, 190, 192, 195

**Other regulations, restrictions and prohibition regulations**  
 Altöl-Verordnung (AltöIV)

 **[DK] National regulations**  
**Other regulations, restrictions and prohibition regulations**  
 Dänemark: Bekendtgørelse af lov om arbejdsmiljø: Beskæftigelsesministeriets lovbekendtgørelse nr. 1072 af 7. september 2010  
 Lister over stoffer og processer, der anses for at være kræftfremkaldende

 **[FR] National regulations**  
**Other regulations, restrictions and prohibition regulations**  
 Frankreich: Tableaux de maladies professionnelles  
 Nomenclature des installations classées pour la protection de l'environnement  
 Articles L. 4523-1 à L. 4523-17, L. 4611-1 à L. 4614-16, R. 4523-1 à R. 4523-17 et R. 4612-1 à R. 4615-21 du Code du travail



Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

 **[NL] National regulations**

**Other regulations, restrictions and prohibition regulations**

Niederlande: Lijst vank kankerverwekkende, mutagene en voor de voortplanting giftige stoffen (SZW)  
 Algemeene beoordelingsmethodiek Water (ABM)  
 Nederlandse emissierichtlijn (NeR)  
 NIET-Limitatieve lijst an voor de voortplanting giftige stoffen - Borstvoeding  
 NIET-Limitatieve lijst an voor de voortplanting giftige stoffen - Vruchtbaarheid  
 NIET-Limitatieve lijst an voor de voortplanting giftige stoffen - Ontwikkeling  
 SZW-lijst van kankerverwekkende stoffen  
 SZW-lijst van mutagene stoffen  
 Wet van 18 maart 1999, houdende bepalingen ter verbetering van de arbeidsomstandigheden  
 (Arbeidsomstandighedenwet)  
 Wet op de ondernemingsraden 1971

 **[CH] National regulations**

**Other regulations, restrictions and prohibition regulations**

Mengenschwelle (Schweiz - StFV)  
 Gefahrencode  
 Brandverhütung, BVD (Schweiz)

**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**

2.1.	Classification of the substance or mixture
2.2.	Label elements
3.2.	Mixtures
4.1.	Description of first aid measures
4.2.	Most important symptoms and effects, both acute and delayed
5.1.	Extinguishing media
5.2.	Special hazards arising from the substance or mixture
5.3.	Advice for firefighters
7.1.	Precautions for safe handling
8.1.	Control parameters
8.2.	Exposure controls
9.1.	Information on basic physical and chemical properties
10.1.	Reactivity
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
12.1.	Toxicity
12.2.	Persistence and degradability
12.3.	Bioaccumulative potential
12.5.	Results of PBT and vPvB assessment
12.7.	Other adverse effects
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes
16.4.	Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
16.5.	Relevant R-, H- and EUH-phrases (Number and full text)

**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





Revision date: 11 Apr 2023 Version: 4 Print date: 11 May 2023

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]**

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation ( <i>Skin Sens. 1</i> )	H317: May cause an allergic skin reaction.	Calculation method.

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

Hazard statements	
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

**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.