



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-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 Getriebeoel PSA SAE 75W-80

Article No.:

1222100

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]:

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 (EU)

EUH210 Safety data sheet available on request.

Precautionary statements: -

2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Additional information:

The base oil / mineral oil used has a value of less than 3% DMSO, so it is not classified as a carcinogen.



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 64742-58-1 EC No.: 265-161-3	Lubricating oils (petroleum), hydrotreated spent The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. Warning H332	2 - < 5 Wt %
CAS No.: 64742-95-6 EC No.: 265-199-0	Solvent naphtha (petroleum), light arom. Substance with a Community workplace exposure limit. Warning H304	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.

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.

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**

No known symptoms to date.

* **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 (CO2)

Extinguishing powder

alcohol resistant foam

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**

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

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

Hazardous combustion products:

Carbon monoxide, Carbon dioxide (CO2), Nitrogen oxides (NOx),

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.



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

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.

Emergency procedures:

Remove persons to safety.

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 (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Other information:

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

6.4. Reference to other sections

Safe handling: see section 7

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:

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.



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

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
TRGS 900 (DE)	Solvent naphtha (petroleum), light arom. CAS No.: 64742-95-6	① 50 mg/m ³ ② 100 mg/m ³ ⑤ (C9-C14 Aromaten)
VLA (FR)	Solvent naphtha (petroleum), light arom. CAS No.: 64742-95-6	① 150 mg/m ³ ⑤ (hydrocarbures, benzène C9-C12)
NO	Solvent naphtha (petroleum), light arom. CAS No.: 64742-95-6	① 25 ppm (120 mg/m ³) ⑤ (White Spirit (aromatinnhold > 22 %))
CH	Solvent naphtha (petroleum), light arom. CAS No.: 64742-95-6	① 100 ppm (525 mg/m ³) ⑤ (Testbenzin, Aromatengehalt 10-30%, White Spirit)
MAK (AT)	Solvent naphtha (petroleum), light arom. CAS No.: 64742-95-6	① 20 mL/m ³ ② 40 mL/m ³
MAK (AT)	Solvent naphtha (petroleum), light arom. CAS No.: 64742-95-6	① 70 mL/m ³ ② 140 mL/m ³
WEL (GB)	Solvent naphtha (petroleum), light arom. CAS No.: 64742-95-6	① 500 mg/m ³ ⑤ (Aromatics)
PL	Naphtha (petroleum), hydrotr eated heavy CAS No.: 64742-48-9	① 300 mg/m ³ ② 900 mg/m ³
VLA (FR)	Naphtha (petroleum), hydrotr eated heavy CAS No.: 64742-48-9	① 1,000 mg/m ³ ② 1,500 mg/m ³ ⑤ (hydrocarbures C9-C12)
DFG (DE)	Naphtha (petroleum), hydrotr eated heavy CAS No.: 64742-48-9	① 50 ppm (350 mg/m ³) ② 100 ppm (700 mg/m ³)
NO	Naphtha (petroleum), hydrotr eated heavy CAS No.: 64742-48-9	① 50 ppm (275 mg/m ³) ⑤ (White Spirit (aromatinnhold < 22 %))
CH	Naphtha (petroleum), hydrotr eated heavy CAS No.: 64742-48-9	① 50 ppm (300 mg/m ³) ② 100 ppm (600 mg/m ³) ⑤ (Naphtha, mit Wasserstoff behandelte, schwere)
MAK (AT)	Naphtha (petroleum), hydrotr eated heavy CAS No.: 64742-48-9	① 200 mL/m ³ ② 400 mL/m ³
MAK (AT)	Naphtha (petroleum), hydrotr eated heavy CAS No.: 64742-48-9	① 170 mL/m ³ ② 340 mL/m ³



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

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
WEL (GB)	Naphtha (petroleum), hydrotrreated heavy CAS No.: 64742-48-9	① 1,200 mg/m ³ ⑤ (> or = C7, Normal and branched chain alkanes)
WEL (GB)	Naphtha (petroleum), hydrotrreated heavy CAS No.: 64742-48-9	① 800 mg/m ³ ⑤ (> or = C7, Cycloalkanes)
CH	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³) ② 40 ppm (200 mg/m ³)
BE	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³) ⑤ tous isomères
CZ	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³)
PL	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 100 mg/m ³ ② 170 mg/m ³
NO	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³) ⑤ Trimetylbenzen, alle isomere
IE	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³) ⑤ (may be absorbed through the skin)
DFG (DE)	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³) ② 40 ppm (200 mg/m ³)
FI	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³)
SE	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 25 ppm (120 mg/m ³) ③ 35 ppm (170 mg/m ³)
SK	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³) ② 200 mg/m ³
MAK (AT)	1,2,4-trimethylbenzene CAS No.: 95-63-6	② 30 ppm (150 mg/m ³) ⑤ (max. 4x15 min./Schicht)
BG	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³)
DK	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 25 ppm (120 mg/m ³) ② 50 ppm (240 mg/m ³)
HR	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 25 ppm (125 mg/m ³)
EE	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³) ⑤ 25 "(Trimetüülbenseen, kõik isomeerid)"
LT	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³) ⑤ (Trimetilbenzenas ir jo izomerai)
RO	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³)
LV	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³)
Alberta (CA)	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 25 ppm (123 mg/m ³)
ES	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³)
BC (CA)	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 25 ppm
IOELV (EU)	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³)
JP	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 25 ppm (120 mg/m ³)



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

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
VRI (FR)	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³)
SI	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³)
TW	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 25 ppm (123 mg/m ³)
KR	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 25 ppm (125 mg/m ³)
WEL (GB)	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 25 ppm (125 mg/m ³)
IS	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³)
MAK (AT)	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 20 ppm (100 mg/m ³)
HU	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 100 mg/m ³ ⑤ Trimetilbenzol
RU	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 10 mg/m ³ ③ 30 mg/m ³
GR	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 25 ppm (125 mg/m ³)
NL	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 100 mg/m ³ ② 200 mg/m ³
MY	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 25 ppm (123 mg/m ³)
NIOSH (US)	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 25 ppm (125 mg/m ³)
ACGIH (US)	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 25 ppm (123 mg/m ³)
Québec (CA)	1,2,4-trimethylbenzene CAS No.: 95-63-6	① 25 ppm (123 mg/m ³)
BE	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³)
CZ	xylene CAS No.: 1330-20-7	① 46 ppm (200 mg/m ³) ② 92 ppm (400 mg/m ³)
NO	xylene CAS No.: 1330-20-7	① 25 ppm (108 mg/m ³) ⑤ (kan absorberes gjennom huden)
IE	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³) ⑤ (may be absorbed through the skin)
FI	xylene CAS No.: 1330-20-7	① 50 ppm (220 mg/m ³) ② 100 ppm (440 mg/m ³) ⑤ (kan absorberas genom huden)
LT	xylene CAS No.: 1330-20-7	① 50 ppm (200 mg/m ³) ② 100 ppm (450 mg/m ³)
SK	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³)
MAK (AT)	xylene CAS No.: 1330-20-7	② 100 ppm (442 mg/m ³) ⑤ (max. 4x15 min./Schicht, kann über die Haut aufgenommen werden)
DK	xylene CAS No.: 1330-20-7	① 25 ppm (109 mg/m ³) ② 50 ppm (218 mg/m ³) ⑤ (kan optages gennem huden)



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

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
RO	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³)
ES	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³) ⑤ (puede ser absorbido a través dérmica), (VLB)
EE	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³)
LV	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³) ⑤ (var absorbet caur adu)
Alberta (CA)	xylene CAS No.: 1330-20-7	① 100 ppm (434 mg/m ³) ② 150 ppm (651 mg/m ³)
BC (CA)	xylene CAS No.: 1330-20-7	① 100 ppm ② 150 ppm
IOELV (EU)	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³) ⑤ (may be absorbed through the skin)
VLA (FR)	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³) ⑤ (peut être absorbé par la peau)
ACGIH (US)	xylene CAS No.: 1330-20-7	① 100 ppm (434 mg/m ³) ② 150 ppm (651 mg/m ³)
OSHA (US)	xylene CAS No.: 1330-20-7	① 100 ppm (435 mg/m ³)
SI	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³) ⑤ (računati je treba z možnostjo prodiranja skozi kožo)
WEL (GB)	xylene CAS No.: 1330-20-7	① 50 ppm (220 mg/m ³) ② 100 ppm (441 mg/m ³)
TW	xylene CAS No.: 1330-20-7	① 100 ppm (434 mg/m ³)
KR	xylene CAS No.: 1330-20-7	① 100 ppm (435 mg/m ³) ② 150 ppm (655 mg/m ³)
IS	xylene CAS No.: 1330-20-7	① 25 ppm (109 mg/m ³) ② 100 ppm (442 mg/m ³) ⑤ (efnið getur auðveldlega borist inn í líkamann gegnum húð)
CN	xylene CAS No.: 1330-20-7	① 50 mg/m ³ ② 100 mg/m ³
MAK (AT)	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)
RU	xylene CAS No.: 1330-20-7	① 50 mg/m ³ ③ 150 mg/m ³
HU	xylene CAS No.: 1330-20-7	① 221 mg/m ³ ② 442 mg/m ³
GR	xylene CAS No.: 1330-20-7	① 100 ppm (435 mg/m ³) ② 150 ppm (650 mg/m ³) ⑤ (αναμένετε απορρόφηση από το δέρμα)



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

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
NL	xylene CAS No.: 1330-20-7	① 210 mg/m ³ ② 442 mg/m ³ ⑤ (kan door de huid in het lichaam worden opgenomen)
MY	xylene CAS No.: 1330-20-7	① 199 ppm (434 mg/m ³)
SE	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³) ⑤ (kan absorberas genom huden)
HR	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³)
BG	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³) ⑤ (трябва да се очаква абсорбиране през кожата)
PL	xylene CAS No.: 1330-20-7	① 100 mg/m ³
Québec (CA)	xylene CAS No.: 1330-20-7	① 100 ppm (434 mg/m ³) ② 150 ppm (651 mg/m ³)
NIOSH (US)	xylene CAS No.: 1330-20-7	① 100 ppm (435 mg/m ³) ② 150 ppm (655 mg/m ³)
TRGS 900 (DE)	xylene CAS No.: 1330-20-7	① 100 ppm (440 mg/m ³) ② 200 ppm (880 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)
CH	ethylbenzene CAS No.: 100-41-4	① 50 ppm (220 mg/m ³) ② 50 ppm (220 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)
BE	ethylbenzene CAS No.: 100-41-4	① 100 ppm (442 mg/m ³) ② 125 ppm (551 mg/m ³)
CZ	ethylbenzene CAS No.: 100-41-4	① 46 ppm (200 mg/m ³) ② 115 ppm (500 mg/m ³)
PL	ethylbenzene CAS No.: 100-41-4	① 200 mg/m ³ ② 400 mg/m ³
NO	ethylbenzene CAS No.: 100-41-4	① 5 ppm (20 mg/m ³) ⑤ (kan absorberes gjennom huden)
TRGS 900 (DE)	ethylbenzene CAS No.: 100-41-4	① 20 ppm (88 mg/m ³) ② 40 ppm (176 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)
IE	ethylbenzene CAS No.: 100-41-4	① 100 ppm (442 mg/m ³) ② 200 ppm (884 mg/m ³) ⑤ (may be absorbed through the skin)
MY	ethylbenzene CAS No.: 100-41-4	① 100 ppm (434 mg/m ³)
FI	ethylbenzene CAS No.: 100-41-4	① 50 ppm (220 mg/m ³) ② 200 ppm (880 mg/m ³) ⑤ (kan absorberas genom huden)
SE	ethylbenzene CAS No.: 100-41-4	① 50 ppm (220 mg/m ³) ② 200 ppm (884 mg/m ³) ⑤ (kan absorberas genom huden)
SK	ethylbenzene CAS No.: 100-41-4	① 100 ppm (442 mg/m ³) ② 200 ppm (884 mg/m ³)



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

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
DK	ethylbenzene CAS No.: 100-41-4	① 50 ppm (217 mg/m ³) ② 100 ppm (434 mg/m ³)
LT	ethylbenzene CAS No.: 100-41-4	① 100 ppm (442 mg/m ³) ② 200 ppm (884 mg/m ³)
BG	ethylbenzene CAS No.: 100-41-4	① 435 mg/m ³ ② 545 mg/m ³ ⑤ (трябва да се очаква абсорбиране през кожата)
MAK (AT)	ethylbenzene CAS No.: 100-41-4	① 100 ppm (440 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)
HR	ethylbenzene CAS No.: 100-41-4	① 100 ppm (442 mg/m ³) ② 200 ppm (884 mg/m ³)
MAK (AT)	ethylbenzene CAS No.: 100-41-4	② 200 ppm (880 mg/m ³) ⑤ (max. 8x5 min./Schicht, Momentanwert, kann über die Haut aufgenommen werden)
VRC (FR)	ethylbenzene CAS No.: 100-41-4	① 20 ppm (88.4 mg/m ³) ② 100 ppm (442 mg/m ³) ⑤ (peut être absorbé par la peau)
ES	ethylbenzene CAS No.: 100-41-4	① 100 ppm (441 mg/m ³) ② 200 ppm (884 mg/m ³) ⑤ (puede ser absorbido a través dérmica)
RO	ethylbenzene CAS No.: 100-41-4	① 100 ppm (442 mg/m ³) ② 200 ppm (884 mg/m ³)
EE	ethylbenzene CAS No.: 100-41-4	① 100 ppm (442 mg/m ³) ② 200 ppm (884 mg/m ³)
LV	ethylbenzene CAS No.: 100-41-4	① 100 ppm (442 mg/m ³) ② 200 ppm (884 mg/m ³) ⑤ (var absorbet caur adu)
Alberta (CA)	ethylbenzene CAS No.: 100-41-4	① 100 ppm (434 mg/m ³) ② 125 ppm (543 mg/m ³)
BC (CA)	ethylbenzene CAS No.: 100-41-4	① 20 ppm
IOELV (EU)	ethylbenzene CAS No.: 100-41-4	① 100 ppm (442 mg/m ³) ② 200 ppm (884 mg/m ³) ⑤ (may be absorbed through the skin)
JP	ethylbenzene CAS No.: 100-41-4	① 50 ppm (217 mg/m ³)
WEL (GB)	ethylbenzene CAS No.: 100-41-4	① 100 ppm (441 mg/m ³) ② 125 ppm (552 mg/m ³) ⑤ (may be absorbed through the skin)
SI	ethylbenzene CAS No.: 100-41-4	① 100 ppm (442 mg/m ³) ② 200 ppm (884 mg/m ³) ⑤ (računati je treba z možnostjo prodiranja skozi kožo)
TW	ethylbenzene CAS No.: 100-41-4	① 100 ppm (434 mg/m ³)
KR	ethylbenzene CAS No.: 100-41-4	① 100 ppm (435 mg/m ³) ② 125 ppm (545 mg/m ³)
IS	ethylbenzene CAS No.: 100-41-4	① 50 ppm (200 mg/m ³) ② 200 ppm (884 mg/m ³) ⑤ (efnið getur auðveldlega borist inn í líkamann gegnum húð)



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

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
CN	ethylbenzene CAS No.: 100-41-4	① 100 mg/m ³ ② 150 mg/m ³
HU	ethylbenzene CAS No.: 100-41-4	① 442 mg/m ³ ② 884 mg/m ³
RU	ethylbenzene CAS No.: 100-41-4	① 50 mg/m ³ ③ 150 mg/m ³
GR	ethylbenzene CAS No.: 100-41-4	① 100 ppm (435 mg/m ³) ② 125 ppm (545 mg/m ³)
NL	ethylbenzene CAS No.: 100-41-4	① 215 mg/m ³ ② 430 mg/m ³ ⑤ (kan door de huid in het lichaam worden opgenomen)
OSHA (US)	ethylbenzene CAS No.: 100-41-4	① 100 ppm (435 mg/m ³)
NIOSH (US)	ethylbenzene CAS No.: 100-41-4	① 100 ppm (435 mg/m ³) ② 125 ppm (545 mg/m ³)
ACGIH (US)	ethylbenzene CAS No.: 100-41-4	① 20 ppm (87 mg/m ³)
Québec (CA)	ethylbenzene CAS No.: 100-41-4	① 100 ppm (434 mg/m ³) ② 125 ppm (543 mg/m ³)
CH	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 80 ppm (400 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)
BE	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³)
CZ	cumene CAS No.: 98-82-8	① 20.3 ppm (100 mg/m ³) ② 50.75 ppm (250 mg/m ³)
PL	cumene CAS No.: 98-82-8	① 100 mg/m ³ ② 250 mg/m ³
MY	cumene CAS No.: 98-82-8	① 50 ppm (246 mg/m ³) ⑤ (resapan melalui kulit hendaklah diambil kira)
NO	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³) ⑤ (kan absorberes gjennom huden)
IE	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³) ⑤ (may be absorbed through the skin)
FI	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³) ⑤ (kan absorberas genom huden)
LT	cumene CAS No.: 98-82-8	① 25 ppm (120 mg/m ³) ② 35 ppm (170 mg/m ³)
SE	cumene CAS No.: 98-82-8	① 25 ppm (120 mg/m ³) ② 50 ppm (250 mg/m ³) ⑤ (kan absorberas genom huden)
SK	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³)



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

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
DK	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 40 ppm (200 mg/m ³) ⑤ (kan optages gennem huden)
MAK (AT)	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)
TRGS 900 (DE)	cumene CAS No.: 98-82-8	① 10 ppm (50 mg/m ³) ② 40 ppm (200 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)
MAK (AT)	cumene CAS No.: 98-82-8	② 50 ppm (250 mg/m ³) ⑤ (max. 4x15 min./Schicht, kann über die Haut aufgenommen werden)
BG	cumene CAS No.: 98-82-8	① 100 mg/m ³ ② 250 mg/m ³
HR	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³)
ES	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³) ⑤ (puede ser absorbido a través dérmica), (VLI)
RO	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 30 ppm (150 mg/m ³)
EE	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³)
LV	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³) ⑤ (var absorbet caur adu)
Alberta (CA)	cumene CAS No.: 98-82-8	① 50 ppm (246 mg/m ³)
BC (CA)	cumene CAS No.: 98-82-8	① 25 ppm ② 75 ppm
IOELV (EU)	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³) ⑤ (may be absorbed through the skin)
VRC (FR)	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³) ⑤ (peut être absorbé par la peau)
WEL (GB)	cumene CAS No.: 98-82-8	① 25 ppm (125 mg/m ³) ② 50 ppm (250 mg/m ³)
SI	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³) ⑤ (računati je treba z možnostjo prodiranja skozi kožo)
TW	cumene CAS No.: 98-82-8	① 50 ppm (246 mg/m ³) ⑤ (必須預計到從皮膚吸入)
KR	cumene CAS No.: 98-82-8	① 50 ppm (245 mg/m ³) ⑤ (피부를 통한 흡수를 예상해야 한다)
IS	cumene CAS No.: 98-82-8	① 20 ppm (100 mg/m ³) ② 50 ppm (250 mg/m ³) ⑤ (efnið getur auðveldlega borist inn í líkamann gegnum húð)



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

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
HU	cumene CAS No.: 98-82-8	① 100 mg/m ³ ② 250 mg/m ³
RU	cumene CAS No.: 98-82-8	① 50 mg/m ³ ③ 150 mg/m ³
GR	cumene CAS No.: 98-82-8	① 50 ppm (245 mg/m ³) ② 75 ppm (370 mg/m ³) ⑤ (αναμένετε απορρόφηση από το δέρμα)
NL	cumene CAS No.: 98-82-8	① 100 mg/m ³ ② 250 mg/m ³ ⑤ (kan door de huid in het lichaam worden opgenomen)
OSHA (US)	cumene CAS No.: 98-82-8	① 50 ppm (245 mg/m ³) ⑤ (may be absorbed through the skin)
NIOSH (US)	cumene CAS No.: 98-82-8	① 50 ppm (245 mg/m ³) ⑤ (may be absorbed through the skin)
ACGIH (US)	cumene CAS No.: 98-82-8	① 50 ppm (246 mg/m ³)
Québec (CA)	cumene CAS No.: 98-82-8	① 50 ppm (246 mg/m ³) ⑤ (may be absorbed through the skin)

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① parameter ② Test material ③ Time of sampling ④ Remark
TRGS 903 (DE)	xylene CAS No.: 1330-20-7	2,000 mg/L	① Methylhippur-(Tolur-)säure ② Urin ③ Expositionsende bzw. Schichtende
BAT (CH)	xylene CAS No.: 1330-20-7	1.5 g/g Creatinin	① Methylhippur-(Tolur-)säure ② Urin ③ bei Langzeitexposition, Expositionsende bzw. Schichtende
BAT (CH)	xylene CAS No.: 1330-20-7	1.5 mg/L	① Xylol ② Blut ③ Expositionsende bzw. Schichtende
VLB (ES)	xylene CAS No.: 1330-20-7	1 g/g creatinina	① Ácidos metilhipúricos ② orina ③ fin de exposición o fin de turno
BIO (HU)	xylene CAS No.: 1330-20-7	1,500 mg/g kreatinin	① Metil-hippursavak ② vizelet ③ expozíció vége illetve műszak vége
OEL-B (JP)	xylene CAS No.: 1330-20-7	800 mg/L	① total (o-,m-,p-) methylhippuric acid ② urine ③ at long term exposure, end of exposure or end of shift
BMGV (GB)	xylene CAS No.: 1330-20-7	650 mmol/mol creatinine	① methyl hippuric acid ② urine ③ end of exposure or end of shift



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

Limit value type (country of origin)	Substance name	Limit value	① parameter ② Test material ③ Time of sampling ④ Remark
VLBO (RO)	xylene CAS No.: 1330-20-7	3 µg/L	① Acid metilhipuric ② urina ③ finalul expunerii, resp. finalul schimbului
BMH (SK)	xylene CAS No.: 1330-20-7	1.5 mg/L	① Xylén ② krv ③ koniec expozície, príp. koniec zmeny
BMH (SK)	xylene CAS No.: 1330-20-7	2,000 mg/L	① Suma kyselín 2,3,4-metylhippurových ② urín ③ koniec expozície, príp. koniec zmeny
BIO (FI)	xylene CAS No.: 1330-20-7	5 mmol/L	① Virtsan metyylihpuurihappo ② urin ③ slutet på exponeringen eller slutet på skiftet
ACGIH-BEI (US)	xylene CAS No.: 1330-20-7	1.5 g/g creatinine	① Methylhippuric acids ② urine ③ end of exposure or end of shift
BIO (HR)	xylene CAS No.: 1330-20-7	1.5 mg/L	① ksilen ② krv ③ kraj izloženosti, odnosno kraj smjene
BIO (HR)	xylene CAS No.: 1330-20-7	1.5 g/g kreatinin	① metilhipurna kiselina ② krv ③ kraj izloženosti, odnosno kraj smjene
TRGS 903 (DE)	ethylbenzene CAS No.: 100-41-4	250 mg/g Creatinin	① Mandelsäure + Phenylglyoxylsäure ② Urin ③ Expositionsende bzw. Schichtende
BAT (CH)	ethylbenzene CAS No.: 100-41-4	800 mg/L	① Mandelsäure + Phenylglyoxylsäure ② Urin ③ Expositionsende bzw. Schichtende
VLB (ES)	ethylbenzene CAS No.: 100-41-4	700 mg/g creatinina	① Ácido mandélico + ácido fenilgloxílico ② orina ③ en caso de exposición por largo tiempo, fin de exposición o fin de turno
BIO (HU)	ethylbenzene CAS No.: 100-41-4	1,500 mg/g kreatinin	① mandulasav ② vizelet ③ expozíció vége illetve műszak vége
BIO (FI)	ethylbenzene CAS No.: 100-41-4	5.2 mmol/L	① Mandelsyra ② urin ③ vid långtidsexponering, slutet på exponeringen eller slutet på skiftet
VLBO (RO)	ethylbenzene CAS No.: 100-41-4	1.5 g/g creatinină	① acid mandelic ② urina ③ la expunerea de durata, finalul expunerii, resp. finalul schimbului
BMH (SK)	ethylbenzene CAS No.: 100-41-4	12 mg/L	① 2 - a 4 -Etylfenol ② urín ③ pri dlhodobej expozícií, koniec expozície, príp. koniec zmeny
BMH (SK)	ethylbenzene CAS No.: 100-41-4	1,600 mg/L	① kyselina mandľová + Kyselina 2-fenyl-2-oxo octová ② urín ③ pri dlhodobej expozícií, koniec expozície, príp. koniec zmeny



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

Limit value type (country of origin)	Substance name	Limit value	① parameter ② Test material ③ Time of sampling ④ Remark
ACGIH-BEI (US)	ethylbenzene CAS No.: 100-41-4	0.15 g/g creatinine	① Sum of mandelic acid and phenylglyoxylic acid in urine ② urine ③ end of shift at end of workweek
BIO (HR)	ethylbenzene CAS No.: 100-41-4	1.5 mg/L	① etilbenzen ② krv ③ za vrijeme izloženosti
BIO (HR)	ethylbenzene CAS No.: 100-41-4	2 ppm krajnje izdahnuti zrak	① etilbenzen ③ oko 16 sati nakon završetka radne smjene
BIO (HR)	ethylbenzene CAS No.: 100-41-4	1.5 g/g kreatinin	① bademova kiselina ② urin ③ pri dugotrajnom izlaganju, kraj izloženosti, odnosno kraj smjene
BIO (BG)	ethylbenzene CAS No.: 100-41-4	2,000 mg/g креатинин	① Бадемова киселина + фенилглиоксилова киселина ② урина ③ край на експозицията, респ. край на работната смяна
TRGS 903 (DE)	cumene CAS No.: 98-82-8	10 mg/g Creatinin	① 2-Phenylpropan-2-ol ② Urin ③ Expositionsende bzw. Schichtende
BAT (CH)	cumene CAS No.: 98-82-8	20 mg/g Creatinin	① 2-Phenylpropan-2-ol ② Urin ③ Expositionsende bzw. Schichtende

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
xylene CAS No.: 1330-20-7	77 mg/m ³	① DNEL worker ② DNEL long-term inhalative (systemic)
ethylbenzene CAS No.: 100-41-4	77 mg/m ³	① DNEL worker ② DNEL long-term inhalative (systemic)
cumene CAS No.: 98-82-8	100 mg/m ³	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
 Wear eye/face protection. DIN EN 166



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

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 (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.

8.3. Additional information

Mineral oil mist limits:
 OSHA PEL - value 5 mg / m³, ACGIH STEL - value of 10 mg / m³

SECTION 9: Physical and chemical properties

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

Appearance

Physical state: Liquid **Colour:** brown
Odour: not determined

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	242 °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	847 kg/m ³	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	52.8 mm ² /s	40 °C		

9.2. Other information

No data available



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

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, Oxidising agent, Reducing agent

* 10.6. Hazardous decomposition products

Hazardous combustion products: Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx)

SECTION 11: Toxicological information

* 11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
64742-58-1	Lubricating oils (petroleum), hydrotreated spent	LD₅₀ oral: 5,000 mg/kg (Rat) LD₅₀ dermal: 2,000 mg/kg (Rat,Rabbit) LC₅₀ inhalative: 2,180 ppmV 4 h (Rat)
64742-95-6	Solvent naphtha (petroleum), light arom.	LD₅₀ oral: 3,592 mg/kg (Rat) LD₅₀ dermal: >3,160 mg/kg (Rabbit)

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:

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.

STOT-single exposure:

Pamatojoties uz pieejamajiem datiem, klasifikācijas kritēriji nav izpildīti.

STOT-repeated exposure:

Pamatojoties uz pieejamajiem datiem, klasifikācijas kritēriji nav izpildīti.

Aspiration hazard:

Observe risk of aspiration if vomiting occurs.



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

SECTION 12: Ecological information

* 12.1. Toxicity

CAS No.	Substance name	Toxicological information
64742-95-6	Solvent naphtha (petroleum), light arom.	EC₅₀ : 2.9 mg/l 3 d (Pseudokirchneriella subcapitata) LC₅₀ : 9.2 mg/l 4 d (Oncorhynchus mykiss (Rainbow trout)) EC₅₀ : 3.2 mg/l 2 d (Daphnia magna (Big water flea)) LOEC : 1 mg/l 3 d

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

CAS No.	Substance name	Biodegradation	Remark
64742-95-6	Solvent naphtha (petroleum), light arom.	—	Biodegradation: 78 % (672 h OECD 301F)

Biodegradation:

Not readily biodegradable (according to OECD criteria)

* 12.3. Bioaccumulative potential

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
64742-95-6	Solvent naphtha (petroleum), light arom.	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
64742-48-9	Naphtha (petroleum), hydrotreated heavy	—
95-63-6	1,2,4-trimethylbenzene	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
98-82-8	cumene	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

* 13.1. Waste treatment methods

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.



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

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

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

Other regulations (EU):

Safety data sheet available for professional user on request.

15.1.2. National regulations

 **[DE] National regulations**

Störfallverordnung

for substances contained in the product:

This product is not classified according to StörfallVO.

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).
Identification number 436

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 (AltölV)

 **[DK] National regulations**

Other regulations, restrictions and prohibition regulations

Lister over stoffer og processer, der anses for at være kræftfremkaldende



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

 **[FR] National regulations**

Other regulations, restrictions and prohibition regulations

Tableaux de maladies professionnelles
 Nomenclature des installations classées pour la protection de l'environnement

 **[NL] National regulations**

Other regulations, restrictions and prohibition regulations

Lijst van kankerverwekkende, mutagene, en voor de voortplanting giftige stoffen SZW
 Algemeene beoordelingsmethodiek Water (ABM)
 Nederlandse emissierichtlijn (NeR)

 **[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**

1.4.	Emergency telephone number
2.2.	Label elements
4.1.	Description of first aid measures
4.2.	Most important symptoms and effects, both acute and delayed
4.3.	Indication of any immediate medical attention and special treatment needed
5.1.	Extinguishing media
5.2.	Special hazards arising from the substance or mixture
5.3.	Advice for firefighters
5.4.	Additional information
6.1.	Personal precautions, protective equipment and emergency procedures
6.2.	Environmental precautions
6.3.	Methods and material for containment and cleaning up
7.1.	Precautions for safe handling
7.2.	Conditions for safe storage, including any incompatibilities
8.1.	Control parameters
8.2.	Exposure controls
9.1.	Information on basic physical and chemical properties
10.5.	Incompatible materials
10.6.	Hazardous decomposition products
11.1.	Information on toxicological effects
12.1.	Toxicity
12.2.	Persistence and degradability
12.3.	Bioaccumulative potential
12.4.	Mobility in soil
12.5.	Results of PBT and vPvB assessment
13.1.	Waste treatment methods
13.2.	Additional information
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes
16.5.	Relevant R-, H- and EUH-phrases (Number and full text)

16.2. Abbreviations and acronyms

See overview table at 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).



Revision date: 28-Aug-2018 Version: 2 Print date: 12-Sep-2018

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)

Hazard statements	
H304	May be fatal if swallowed and enters airways.
H332	Harmful if inhaled.

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