

## Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Special Tec F 0W-30 5 L**  
**Art.: 20723**

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

##### Relevant identified uses of the substance or mixture:

Motor oil  
 Sector of use (SU):  
 SU 3 - Industrial uses: Uses of substances as such or in preparations at industrial sites  
 SU 21 - Consumer uses: Private households (=general public = consumers)  
 SU 22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
 Chemical product category (PC):  
 PC 17 - Hydraulic fluids  
 PC 24 - Lubricants, greases, release products  
 Process category (PROC):  
 PROC 1 - Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.  
 PROC 2 - Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions  
 PROC 8a - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities  
 PROC 8b - Transfer of substance or mixture (charging and discharging) at dedicated facilities  
 PROC 9 - Transfer of substance or mixture into small containers (dedicated filling line, including weighing)  
 PROC 20 - Use of functional fluids in small devices  
 Article Categories (AC):  
 AC 99 - Not required.  
 Environmental Release Category (ERC):  
 ERC 4 - Use of non-reactive processing aid at industrial site (no inclusion into or onto article)  
 ERC 7 - Use of functional fluid at industrial site  
 ERC 8a - Widespread use of functional fluid (indoor)  
 ERC 8b - Widespread use of functional fluid (outdoor)  
**Uses advised against:**  
 No information available at present.

#### 1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH, Jero-Wielands-Str. 4, 89081 Ulm-Lehr, Germany  
 Phone: (+49) 0731-1420-0, Fax: (+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

#### 1.4 Emergency telephone number Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:  
 +49 (0) 700 / 24 112 112 (LMF)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) 1272/2008 (CLP)

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

#### 2.2 Label elements Labeling according to Regulation (EC) 1272/2008 (CLP)

EUH210-Safety data sheet available on request.

#### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0.1 %).  
 The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0.1 %).

### SECTION 3: Composition/information on ingredients

#### 3.1 Substance

n.a.

#### 3.2 Mixture

Distillates (petroleum), hydrotreated heavy paraffinic	01-2119484627-25-XXXX
Index	649-467-00-8
Registration number (REACH)	265-157-1
EINECS, ELINCS, NLP	64742-54-7
CAS	50-70
content %	Asp. Tox. 1, H304
Classification according to Regulation (EC) 1272/2008 (CLP)	

1-decane, trimers, hydrogenated	01-21194933949-12-XXXX
Index	---
Registration number (REACH)	---
EINECS, ELINCS, NLP	500-393-3 (NLP)
CAS	157707-86-3
content %	25-50
Classification according to Regulation (EC) 1272/2008 (CLP)	Asp. Tox. 1, H304

Baseoil - unspecified *	---
Registration number (REACH)	---
Index	---
EINECS, ELINCS, NLP	---
CAS	1-<10
content %	Asp. Tox. 1, H304
Classification according to Regulation (EC) 1272/2008 (CLP)	

Bis(non)phenylamine	---
Registration number (REACH)	---
Index	---
EINECS, ELINCS, NLP	253-249-4
CAS	36878-20-3
content %	1-<2,5
Classification according to Regulation (EC) 1272/2008 (CLP)	Aquatic Chronic 4, H413

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.  
 For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

\* The contained mineral oil can be described by one or more of the following numbers:

EINECS, ELINCS, NLP	Registration number (REACH)	Chemical name

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265-157-1	01-2119484627-25-XXXX	Distillates (petroleum), hydrotreated heavy paraffinic
265-158-7	01-2119487077-29-XXXX	Distillates (petroleum), hydrotreated light paraffinic
265-165-7	01-2119471295-27-XXXX	Distillates (petroleum), solvent-deaxed heavy paraffinic
265-159-2	01-2119480132-4B-XXXX	Distillates (petroleum), solvent-deaxed light paraffinic

The substances named in this section are given with their actual, appropriate classification!  
 For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

First-aiders should ensure they are protected!  
 Never pour anything into the mouth of an unconscious person!

##### Inhalation

Supply person with fresh air and consult doctor according to symptoms.

##### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

##### Eye contact

Remove contact lenses.  
 Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

##### Ingestion

Rinse the mouth thoroughly with water.  
 Do not induce vomiting. Consult doctor immediately.  
 In case of vomiting, keep head low so that the stomach content does not reach the lungs.

##### 4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

##### Irritation of the eyes

On vapour formation:

Irritation of the respiratory tract

Ingestion:

Nausea

Vomiting

Irritation of the stomach

diarrhoea

##### 4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

#### SECTION 5: Firefighting measures

##### 5.1 Extinguishing media

Suitable extinguishing media

Water, jet spray/foam/CO<sub>2</sub>/dry extinguisher

Unsuitable extinguishing media

High volume water, jet

##### 5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of Carbon

Toxic gases

##### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary

Cool container at risk with water.

Dispose of contaminated extinction water according to official regulations.

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#### SECTION 6: Accidental release measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient supply of air.

Remove possible causes of ignition - do not smoke.

Avoid contact with eyes or skin.

##### 6.2 Environmental precautions

If applicable, caution - risk of slipping.

Resolve leaks if this possible without risk.

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

If accidental entry into drainage system occurs, inform responsible authorities.

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

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.

Fill the absorbed material into lockable containers.

##### 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

#### SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

##### 7.1 Precautions for safe handling

###### 7.1.1 General recommendations

Avoid formation of oil mist.

Ensure good ventilation.

Avoid contact with eyes or skin.

Do not carry cleaning cloths soaked in product in trouser pockets.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

###### 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingsuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

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

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Do not store with oxidizing agents.

Under all circumstances prevent penetration into the soil.

Store in a dry place.

##### 7.3 Specific end use(s)

No information available at present.

#### SECTION 8: Exposure controls/personal protection

##### 8.1 Control parameters

Chemical Name	Oil mist, mineral	Content %:
WEL-TWA: 5 mg/m <sup>3</sup> (Mineral oil, excluding metal working fluids, ACGIH)	WEL-STEL: ---	---
Monitoring procedures:	- Draeger - Oil T06-P (67 28 371) - Draeger - Oil Mist 1/a (67 33 031)	
BMGV: ---		Other information: ---

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Consumer Workers / employees	Environment - oral (animal feed)		PNEC	9,33	mg/kg	
	Human - inhalation	Long term, local effects	DNEL	1,2	mg/m <sup>3</sup>	24h
	Human - inhalation	Long term, local effects	DNEL	5,6	mg/m <sup>3</sup>	8h
Bis(non)phenylamine						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Consumer	Environment - freshwater		PNEC	0,1	mg/l	
	Environment - marine		PNEC	0,01	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	1	mg/l	
	Environment - sewage treatment plant		PNEC	1	mg/l	
	Environment - sediment, freshwater		PNEC	132000	mg/kg dw	
	Environment - sediment, marine		PNEC	13200	mg/kg dw	
	Environment - soil		DNEL	263000	mg/kg dw	
	Environment - periodic release		PNEC	1	mg/kg	
	Human - oral	Long term, systemic effects	DNEL	0,31	mg/kg bw/day	
	Human - inhalation	Long term, systemic effects	DNEL	1,09	mg/m <sup>3</sup>	
Consumer	Human - dermal	Long term, systemic effects	DNEL	0,31	mg/kg bw/day	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	0,62	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	4,37	mg/m <sup>3</sup>	

(8) WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40, AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany), (9) = Respirable fraction (2017/164/EU, 2017/2398/EU), | WEL-STEL = Workplace (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU), (9) = Respirable fraction (2017/164/EU, 2017/2398/EU), (10) = Short-term exposure limit value in relation to a reference period of 15-minute reference period, Exposure Limit - Short-term exposure limit (15-minute reference period), (6) = Inhalable fraction (2017/164/EU, 2017/2398/EU), (9) = Respirable fraction (2017/164/EU, 2017/2398/EU), | BMGV = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: | Sen = Capable of causing occupational asthma, Sk = Can be absorbed through skin, Carc = Capable of causing cancer and/or heritable genetic damage, \*\* = The exposure limit for this substance is repeated through the TRGS 900 (Germany) of January 2006 with the goal of revision.

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here. Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques. These are specified by e.g. BS EN 14042, BS EN 14042 "Workplace atmospheres, Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:  
 Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:  
 Protective gloves, oil resistant (EN 374)  
 Recommended

Protective nitrile gloves (EN 374).  
 Minimum layer thickness in mm:  
 0,5

Permeation time (penetration time) in minutes:  
 480

Protective hand cream recommended.  
 The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:  
 Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:  
 Normally not necessary.  
 With oil mist formation:  
 Filter A2 P2 (EN 14387), code colour brown, white  
 Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:  
 Not applicable

Additional information on hand protection - No tests have been performed. In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Light brown
Characteristic Odour:	Characteristic
Odour threshold:	Not determined
pH-value:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	220 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	n.a.
Lower explosive limit:	Not determined
Upper explosive limit:	Not determined
Vapour pressure:	Not determined
Vapour density (air = 1):	0,845 g/ml
Density:	

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Bulk density:	n.a.
Solubility(ies):	Not determined
Water solubility:	Insoluble
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	>42 mm <sup>2</sup> /s (40 °C)
Surface tension:	9,8 mN/m <sup>2</sup> (100 °C)
Explosive properties:	Product is not explosive.
Oxidising properties:	No
<b>9.2 Other information</b>	
Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	Not determined

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

The product has not been tested.

#### 10.2 Chemical stability

Stable with proper storage and handling.

#### 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

#### 10.4 Conditions to avoid

Heating, open flame, ignition sources

Electrostatic charge

#### 10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

#### 10.6 Hazardous decomposition products

No decomposition when used as directed.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOI-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Distillates (petroleum), hydrotreated heavy paraffinic	Endpoint	Value	Unit	Organism	Test method	Notes
Toxicity / effect						

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Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 420 (Acute Oral toxicity - Fixe Dose Procedure)
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)
Acute toxicity, by inhalation:	LC50	5,53	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)
Skin corrosion/irritation:					Not irritant
Serious eye damage/irritation:					Slightly irritant
Respiratory or skin sensitisation:					Not sensitizing
Aspiration hazard:					Yes

#### 1-decene, trimers, hydrogenated

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>5,2	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Aerosol
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitizing

#### Bis(non)phenylamine

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	Analogous conclusion
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	Analogous conclusion
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitizing
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative Analogous conclusion
Germ cell mutagenicity:				Mouse	OECD 478 (Genetic Toxicology - Rodent dominant Lethal Test)	Negative Analogous conclusion
Reproductive toxicity (Developmental toxicity):	NOAEL	150	mg/kg bw/d	Rat	OECD 414 (Prenatal Developmental Toxicity Study)	Negative
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	<100	mg/kg bw/d	Rat	OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	

### SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

Special Tec F OW-30 5 L	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity / effect							

12.1. Toxicity to fish:					n.d.a.
12.1. Toxicity to daphnia:					n.d.a.
12.1. Toxicity to algae:					n.d.a.
12.2. Persistence and degradability:					n.d.a.
12.3. Bioaccumulative potential:					n.d.a.
12.4. Mobility in soil:					n.d.a.
12.5. Results of PBT and vPvB assessment:					n.d.a.
12.6. Other adverse effects:					n.d.a.

Distillates (petroleum), hydrotreated heavy paraffinic						
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method
12.1. Toxicity to fish:	LL50	96h	>100	mg/l	Oncorhynchus mykiss	OECD 203 (Fish Acute Toxicity Test)
12.1. Toxicity to fish:	NOEC/NOEL	28d	>1000	mg/l	Oncorhynchus mykiss	QSAR
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	10	mg/l	Daphnia magna	QSAR
12.1. Toxicity to daphnia:	EL50	48h	>1000	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)
12.1. Toxicity to algae:	EL50	48h	>100	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)
12.2. Persistence and degradability:		28d	6	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)
Other information:	AOX		0	%		

1-decene, trimers, hydrogenated						
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method
12.1. Toxicity to fish:	LC50	96h	>1000	mg/l	Oncorhynchus mykiss	OECD 203 (Fish Acute Toxicity Test)
12.1. Toxicity to daphnia:	NOELR	21d	125	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproduction Test)
12.1. Toxicity to daphnia:	EC50	48h	>1000	mg/l	Mysidopsis bahia	OECD 202 (Daphnia sp. Acute Immobilisation Test)
12.1. Toxicity to algae:	NOELR	72h	1000	mg/l	Selenastrum capricornutum	OECD 201 (Alga, Growth Inhibition Test)
12.2. Persistence and degradability:						
12.3. Bioaccumulative potential:	BCF		>10			
12.5. Results of PBT and vPvB assessment						
Toxicity to bacteria:	EC50	3h	1000	mg/l	activated sludge	

Bis(nonylphenyl)amine						
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method

12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Brachydanio rerio	OECD 203 (Fish Acute Toxicity Test)
12.1. Toxicity to daphnia:	EC50	48h	>100	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)
12.1. Toxicity to algae:	EC50	72h	600	mg/l	Pseudokirchneriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)
12.2. Persistence and degradability:		28d	0-1	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)
12.3. Bioaccumulative potential:	Log Pow		>7,6			

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### For the substance / mixture / residual amounts

Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of. EC disposal code no.:  
 The waste codes are recommendations based on the scheduled use of this product. Cwing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)  
 13 02 05 mineral-based non-chlorinated engine, gear and lubricating oils  
 Recommendation:  
 Sewage disposal shall be discouraged.  
 Pay attention to local and national official regulations.  
 Observe regulations for disposal of old oil/waste.  
 E.g. suitable incineration plant.

##### For contaminated packing material

Pay attention to local and national official regulations. Empty container completely. Uncontaminated packaging can be recycled. Dispose of packaging that cannot be cleaned in the same manner as the substance.

### SECTION 14: Transport information

#### General statements

14.1. UN number: n.a.

#### Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name: n.a.  
 14.3. Transport hazard class(es): n.a.  
 14.4. Packing group: n.a.  
 Classification code: n.a.  
 LQ: Not applicable  
 14.5. Environmental hazards: Not applicable

#### Transport by sea (IMDG-code)

14.2. UN proper shipping name: n.a.  
 14.3. Transport hazard class(es): n.a.  
 14.4. Packing group: n.a.  
 Marine Pollutant: Not applicable  
 14.5. Environmental hazards: Not applicable

**Transport by air (IATA)**

- 14.2. UN proper shipping name: n.a.
- 14.3. Transport hazard class(es): n.a.
- 14.4. Packing group: Not applicable
- 14.5. Environmental hazards: Not applicable

**14.6. Special precautions for user**

Unless specified otherwise, general measures for safe transport must be followed.

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Non-dangerous material according to Transport Regulations.

**SECTION 15: Regulatory information**

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

Observe restrictions:  
 General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC):

6,25 %

**15.2 Chemical safety assessment**

A chemical safety assessment is not provided for mixtures.

**SECTION 16: Other information**

Revised sections:

3, 8, 9, 11, 12

**Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):**

Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).  
 H304 May be fatal if swallowed and enters airways.  
 H413 May cause long lasting harmful effects to aquatic life.

Asp. Tox. — Aspiration hazard

Aquatic Chronic — Hazardous to the aquatic environment - chronic

**Any abbreviations and acronyms used in this document:**

- AC Article Categories
- acc., acc. to according to
- ACGH American Conference of Governmental Industrial Hygienists
- ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
- AOEL Acceptable Operator Exposure Level
- AOX Absorbable organic halogen compounds
- approx. approximately
- Art., Art. no. Article number
- ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
- BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
- BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
- BCF Bioconcentration factor
- BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)
- BHT Butylhydroxytoluol (= 2,6-Di-*t*-butyl-4-methyl-phenol)
- BMGV Biological monitoring guidance value (EH40, UK)
- BOD Biochemical oxygen demand

BSEF Bromine Science and Environmental Forum

bw body weight

CAS Chemical Abstracts Service

CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids

CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques

CIPAC Collaborative International Pesticides Analytical Council

CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic

COD Chemical oxygen demand

CTFA Cosmetic, Toiletry, and Fragrance Association

DMEL Derived Minimum Effect Level

DNEL Derived No Effect Level

DOC Dissolved organic carbon

DT50 Dwell Time - 50% reduction of start concentration

dw dry weight

e.g. for example (abbreviation of Latin 'exempli gratia'), for instance

EC European Community

ECHA European Chemicals Agency

EEA European Economic Area

EEC European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

EN European Norms

EPA United States Environmental Protection Agency (United States of America)

ERC Environmental Release Categories

ES Exposure scenario

et cetera

EU European Union

EWC European Waste Catalogue

Fax Fax number

gent. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global Warming potential

HEI-CAM Hen's Egg Test - Chorioallantoic Membrane

HGWP Halocarbon Global Warming Potential

IARC International Agency for Research on Cancer

IATA International Air Transport Association

IBC Intermediate Bulk Container

IBC (Code) International Bulk Chemical (Code)

IC Inhibitory concentration

IMDG-code International Maritime Code for Dangerous Goods

incl. including, inclusive

IUCLID International Uniform Chemical Information Database

LC lethal concentration

LC50 lethal concentration 50 percent kill

LCLo lowest published lethal concentration

LD Lethal Dose of a chemical

LD50 Lethal Dose, 50% kill

LDLo Lethal Dose Low

LOAEL Lowest Observed Adverse Effect Level

LOEC Lowest Observed Effect Concentration

LOEL Lowest Observed Effect Level

LQ Limited Quantities

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.a. not applicable

n.av. not available

n.c. no checked

n.d.a. no data available

NIOSH National Institute of Occupational Safety and Health (United States of America)

NOAEC No Observed Adverse Effective Concentration

NOAEL No Observed Adverse Effect Level

<p>           Page 13 of 13            Safety data sheet according to Regulation (EC) No 1907/2006, Annex II            Revision date / version: 14.05.2019 / 0006            Replacing version dated / version: 27.03.2019 / 0005            Valid from: 14.05.2019            PDF print date: 14.05.2019            Special Tec F 0W-30 5 L            Art.: 20723         </p>	
<p>           NOEC No Observed Effect Concentration            NOEL No Observed Effect Level            ODP Ozone Depletion Potential            OECD Organisation for Economic Co-operation and Development            org organic            PAH polycyclic aromatic hydrocarbon            PBT persistent, bioaccumulative and toxic            PC Chemical product category            PE Polyethylene            PNEC Predicted No Effect Concentration            POCP Photochemical ozone creation potential            ppm parts per million            PROC Process category            PTFE Polytetrafluorethylene            REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)            REACH-IT List-No. 9xx-xxxx-No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.            RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)            SADT Self-Accelerating Decomposition Temperature            SAR Structure Activity Relationship            SU Sector of use            SVHC Substances of Very High Concern            Tel. Telephone            ThOD Theoretical oxygen demand            TOC Total organic carbon            TRGS Technische Regeln für Gefahrstoffe (= Technical Regulations for Hazardous Substances)            UN RTDG United Nations Recommendations on the Transport of Dangerous Goods            UN RTDG Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))            VOC Volatile organic compounds            vPvB very persistent and very bioaccumulative            WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).            WHO World Health Organization            wwt wet weight         </p>	<p>           The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.            No responsibility.            These statements were made by:  <b>Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90</b>            © by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.         </p>