



## Safety Data Sheet

ROWE Mineralölwerk GmbH

according to Regulation (EC) No 1907/2006

### HIGHTEC TRUCKSTAR LV SAE 5W-20

Revision: 04.11.2025

Product code: 20830

Page 1 of 17

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

##### 1.1. Product identifier

HIGHTEC TRUCKSTAR LV SAE 5W-20

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

###### **Use of the substance/mixture**

Lubricating agent

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

Company name:	ROWE Mineralölwerk GmbH
Street:	Langgewann 101
Place:	D-67547 Worms
Telephone:	+49 (0)6241 5906-0
E-mail:	info@rowe-oil.com
Contact person:	Product Compliance
E-mail:	sdb@rowe-oil.com
Internet:	www.rowe-oil.com

Telefax: +49 (0)6241 5906-999

##### 1.4. Emergency telephone number:

Ireland: Public (8am-10pm) +353 180 921 66, Healthcare Professionals +353 1809 2566 other Countries: Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### **Regulation (EC) No 1272/2008**

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

##### 2.2. Label elements

###### **Regulation (EC) No 1272/2008**

###### **Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

###### **Precautionary statements**

P103	Read carefully and follow all instructions.
P273	Avoid release to the environment.
P501	Dispose of contents/container to of the disposal according to local regulations.

###### **Special labelling of certain mixtures**

EUH208	Contains Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl dervis. para-, calcium salts, N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine. May produce an allergic reaction.
--------	---

##### 2.3. Other hazards

The mixture contains the following substances fulfilling the PBT criteria according to REACH, annex XIII: O,O,O-triphenyl phosphorothioate.

Endocrine disrupting properties: phenol, dodecyl-, branched.

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

##### 3.2. Mixtures

**HIGHTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 2 of 17

**Relevant ingredients**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified			30 - < 60 %
	265-157-1	649-467-00-8	01-2119484627-25	
	Asp. Tox. 1; H304			
	Mineral Oil (CAS 64742-54-7, 64742-55-8, 64742-56-9, 64742-65-0) (< 3 % DMSO-extract, IP 346 conform)			5 - < 15 %
	Asp. Tox. 1; H304			
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified			1 - < 2.5 %
	265-169-7	649-474-00-6	01-2119471299-27	
	Asp. Tox. 1; H304			
1078715-97-5	Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl dervis. para-,calcium salts			1 - < 2.5 %
	947-519-7		01-2120765498-36	
	Skin Sens. 1B; H317			
128-39-2	2,6-di-tert-butylphenol			0.1 - < 0.3 %
	204-884-0		01-2119490822-33	
	Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1; H315 H400 H410			
68551-12-2	Alcohols, C12-16, ethoxylated			0.1 - < 0.3 %
	500-221-7			
	Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 3; H318 H400 H412			
91273-04-0	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine			< 0.1 %
	401-280-0	613-072-00-9	01-2119930450-49	
	Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, Aquatic Chronic 2; H314 H318 H317 H411			
121158-58-5	phenol, dodecyl-, branched			< 0.1 %
	310-154-3	604-092-00-9	01-2119513207-49	
	Repr. 1B, Skin Corr. 1C, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H360F H314 H318 H400 H410			
597-82-0	O,O,O-triphenyl phosphorothioate			< 0.1 %
	209-909-9		01-2119979545-21	
	Aquatic Chronic 1; H410			

Full text of H and EUH statements: see section 16.

**HIGTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 3 of 17

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
Specific Conc. Limits, M-factors and ATE			
64742-54-7	265-157-1	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	30 - < 60 %
dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg			
64742-65-0	265-169-7	Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified	1 - < 2.5 %
dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg			
1078715-97-5	947-519-7	Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl dervis. para-, calcium salts	1 - < 2.5 %
dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg Skin Sens. 1B; H317: >= 10 - 100			
128-39-2	204-884-0	2,6-di-tert-butylphenol	0.1 - < 0.3 %
oral: LD50 = > 5000 mg/kg Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1			
68551-12-2	500-221-7	Alcohols, C12-16, ethoxylated	0.1 - < 0.3 %
oral: LD50 = 2370 mg/kg			
91273-04-0	401-280-0	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine	< 0.1 %
oral: LD50 = 2356 mg/kg			
121158-58-5	310-154-3	phenol, dodecyl-, branched	< 0.1 %
Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=10			
597-82-0	209-909-9	O,O,O-triphenyl phosphorothioate	< 0.1 %
dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 10000 mg/kg Aquatic Chronic 1; H410: M=10			

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

When in doubt or if symptoms are observed, get medical advice.

**After inhalation**

Provide fresh air. If experiencing respiratory symptoms: Call a doctor.

**After contact with skin**

Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

**After ingestion**

Observe risk of aspiration if vomiting occurs. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

No information available.

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water spray jet. Foam. Carbon dioxide (CO<sub>2</sub>).

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

**HIGTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 4 of 17

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

Combustible. Non-flammable.

In case of fire may be liberated: Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Pyrolysis products, toxic.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Full protection suit.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. 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****General advice**

Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes.

**For non-emergency personnel**

Provide adequate ventilation. Use personal protection equipment. Remove persons to safety.

**For emergency responders**

Wear personal protection equipment (refer to section 8).

**6.2. Environmental precautions**

Do not allow uncontrolled discharge of product into the environment.

**6.3. Methods and material for containment and cleaning up****For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers). Cover drains. Stop leak if safe to do so.

**For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**Other information**

Clean contaminated articles and floor according to the environmental legislation.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with eyes and skin. Use personal protection equipment.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

**Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

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

**Hints on joint storage**

Do not store together with: Oxidizing agent, Reducing agent, Strong acid, Strong alkali.

**HIGHTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 5 of 17

**Further information on storage conditions**

Keep away from heat.

maximum storage temperature: 80 °C

**7.3. Specific end use(s)**

Lubricating agent

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
-	Mineral Oil pure, highly & severely refined (Inhalable)	-	5		TWA (8 h)	

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## HIGHTEC TRUCKSTAR LV SAE 5W-20

Revision: 04.11.2025

Product code: 20830

Page 6 of 17

## DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified			
Worker DNEL, long-term	inhalation	local	5,58 mg/m <sup>3</sup>	
Worker DNEL, long-term	dermal	systemic	0,97 mg/kg bw/day	
Worker DNEL, long-term	inhalation	systemic	2,73 mg/m <sup>3</sup>	
Consumer DNEL, long-term	inhalation	local	1,19 mg/m <sup>3</sup>	
Consumer DNEL, long-term	oral	systemic	0,74 mg/kg bw/day	
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified (Note L)			
Worker DNEL, long-term	inhalation	systemic	2,73 mg/m <sup>3</sup>	
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)			
Worker DNEL, long-term	inhalation	systemic	2,73 mg/m <sup>3</sup>	
Worker DNEL, long-term	inhalation	local	5,58 mg/m <sup>3</sup>	
Worker DNEL, long-term	dermal	systemic	0,97 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	local	1,19 mg/m <sup>3</sup>	
Consumer DNEL, long-term	oral	systemic	0,74 mg/kg bw/day	
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified			
Worker DNEL, long-term	inhalation	systemic	2,73 mg/m <sup>3</sup>	
Worker DNEL, long-term	inhalation	local	5,58 mg/m <sup>3</sup>	
Worker DNEL, long-term	dermal	systemic	0,97 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	local	1,19 mg/m <sup>3</sup>	
Consumer DNEL, long-term	oral	systemic	0,74 mg/kg bw/day	
1078715-97-5	Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl dervis. para-,calcium salts			
Worker DNEL, long-term	inhalation	systemic	17,63 mg/m <sup>3</sup>	
Worker DNEL, long-term	dermal	systemic	25 mg/kg bw/day	
Worker DNEL, long-term	dermal	local	1,05 mg/cm <sup>2</sup>	
Consumer DNEL, long-term	inhalation	systemic	4,35 mg/m <sup>3</sup>	
Consumer DNEL, long-term	dermal	systemic	12,5 mg/kg bw/day	
Consumer DNEL, long-term	dermal	local	0,526 mg/cm <sup>2</sup>	
Consumer DNEL, long-term	oral	systemic	2,5 mg/kg bw/day	
128-39-2	2,6-di-tert-butylphenol			
Worker DNEL, long-term	inhalation	systemic	70,61 mg/m <sup>3</sup>	
Worker DNEL, long-term	dermal	systemic	11,25 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	20,9 mg/m <sup>3</sup>	
Consumer DNEL, long-term	dermal	systemic	6,75 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	6,75 mg/kg bw/day	

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 7 of 17

121158-58-5	phenol, dodecyl-, branched			
Worker DNEL, acute		inhalation	systemic	44,18 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	0,25 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	166 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,79 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	systemic	13,26 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	0,075 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	50 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,075 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	1,26 mg/kg bw/day
597-82-0	O,O,O-triphenyl phosphorothioate			
Worker DNEL, long-term		inhalation	systemic	1,39 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	0,4 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,34 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	0,2 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,2 mg/kg bw/day

according to Regulation (EC) No 1907/2006

**HIGHTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 8 of 17

**PNEC values**

CAS No	Substance	
Environmental compartment		Value
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	
Secondary poisoning		9,33 mg/kg
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)	
Secondary poisoning		9,33 mg/kg
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified	
Secondary poisoning		9,33 mg/kg
1078715-97-5	Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl dervis. para-,calcium salts	
Freshwater		0,1 mg/l
Freshwater (intermittent releases)		1 mg/l
Marine water		0,1 mg/l
Freshwater sediment		166,32 mg/kg
Marine sediment		166,32 mg/kg
Micro-organisms in sewage treatment plants (STP)		1000 mg/l
Soil		33,12 mg/kg
128-39-2	2,6-di-tert-butylphenol	
Freshwater		0,001 mg/l
Freshwater (intermittent releases)		0,004 mg/l
Marine water		0 mg/l
Freshwater sediment		0,317 mg/kg
Marine sediment		0,032 mg/kg
Secondary poisoning		60 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,697 mg/kg
121158-58-5	phenol, dodecyl-, branched	
Freshwater		0,000074 mg/l
Freshwater (intermittent releases)		0,00037 mg/l
Marine water		0,000007 mg/l
Freshwater sediment		0,226 mg/kg
Marine sediment		0,027 mg/kg
Secondary poisoning		4 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		0,118 mg/kg
597-82-0	O,O,O-triphenyl phosphorothioate	
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		2,37 mg/kg

**8.2. Exposure controls**


**HIGHTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 9 of 17

**Appropriate engineering controls**

Provide adequate ventilation as well as local exhaustion at critical locations.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear eye protection/face protection. (EN 166)

**Hand protection**

Tested protective gloves must be worn (EN ISO 374)

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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.

**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**Thermal hazards**

No information available.

**Environmental exposure controls**

Avoid release to the environment.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	Liquid	
Colour:	amber	
Odour:	characteristic	
Odour threshold:	not determined	
Test method		
Melting point/freezing point:	not determined	
Boiling point or initial boiling point and boiling range:	not determined	
Flammability:	not determined	
Lower explosion limits:	not determined	
Upper explosion limits:	not determined	
Flash point:	> 220 °C	ASTM D 92
Auto-ignition temperature:	not determined	
Decomposition temperature:	not determined	
pH-Value:	not determined	
Viscosity / kinematic: (at 40 °C)	48,15 mm <sup>2</sup> /s	ASTM D 7042
Water solubility:	practically insoluble	
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:	not determined	
Vapour pressure:	not determined	
Density (at 15 °C):	0,853 g/cm <sup>3</sup>	ASTM D 7042
Relative vapour density:	not determined	
Particle characteristics:	not applicable	

**9.2. Other information**

**HIGHTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 10 of 17

**Information with regard to physical hazard classes****Explosive properties**

The product is not: Explosive.

**Oxidizing properties**

The product is not: oxidising.

**Other safety characteristics**

Pour point:

-48 °C ASTM D 97

**Further Information**

No information available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

none

**10.5. Incompatible materials**

Oxidizing agent, Reducing agent, Strong acid, Strong alkali.

**10.6. Hazardous decomposition products**In case of fire may be liberated: Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Pyrolysis products, toxic.**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

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

**ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

**HIGHTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 11 of 17

CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified					
	oral	LD50 mg/kg	> 5000 Rat	REACH Dossier	OECD 401	
	dermal	LD50 mg/kg	> 5000 Rabbit	REACH Dossier	OECD 402	
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified					
	oral	LD50 mg/kg	> 5000 Rat	REACH Dossier	OECD 401	
	dermal	LD50 mg/kg	> 5000 Rabbit	REACH Dossier	OECD 402	
1078715-97-5	Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl dervis. para-,calcium salts					
	oral	LD50 mg/kg	> 5000 Rat	ECHA	OECD Guideline 401	
	dermal	LD50 mg/kg	> 5000 Rabbit	ECHA	OECD Guideline 402	
128-39-2	2,6-di-tert-butylphenol					
	oral	LD50 mg/kg	> 5000 Rat	ECHA	OECD Guideline 401	
68551-12-2	Alcohols, C12-16, ethoxylated					
	oral	LD50 mg/kg	2370 Rat	Pre-supplier/manufacturer		
91273-04-0	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine					
	oral	LD50 mg/kg	2356 Rat	REACH Dossier	OECD 401	
597-82-0	O,O,O-triphenyl phosphorothioate					
	oral	LD50 mg/kg	> 10000 Rat	Study report (1976)	OECD Guideline 401	
	dermal	LD50 mg/kg	> 2000 Rat	Study report (1997)	OECD Guideline 402	

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

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

Contains Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl dervis. para-,calcium salts, N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine. May produce an allergic reaction.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**HIGHTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 12 of 17

**Information on likely routes of exposure**

Inhalation, oral, Skin contact, Eye contact.

**11.2. Information on other hazards****Endocrine disrupting properties**

Endocrine disrupting properties: phenol, dodecyl-, branched.

**Other information**

No information available.

**SECTION 12: Ecological information****12.1. Toxicity**

Harmful to aquatic life with long lasting effects.

**HIGHTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 13 of 17

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified					
	Acute fish toxicity	LC50 mg/l	> 100	96 h Pimephales promelas (fathead minnow)	REACH Dossier	OECD 203
	Acute algae toxicity	ErC50 mg/l	> 100	72 h Pseudokirchneriella subcapitata	REACH Dossier	OECD 201
	Acute crustacea toxicity	EC50 mg/l	> 10000	48 h Daphnia magna (Big water flea)	REACH Dossier	OECD 202
	Fish toxicity	NOEC mg/l	>= 1000	14 d Oncorhynchus mykiss (Rainbow trout)	REACH Dossier	QSAR
	Crustacea toxicity	NOEC mg/l	> 10	21 d Daphnia magna (Big water flea)	REACH Dossier	OECD 211
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified					
	Acute fish toxicity	LL50 mg/l	> 100	96 h Pimephales promelas (fathead minnow)	REACH Dossier	OECD 203
	Acute crustacea toxicity	EL50 mg/l	> 10000	48 h Daphnia pulex (water flea)	REACH Dossier	OECD 202
	Fish toxicity	NOEC mg/l	>= 1000	14 d Oncorhynchus mykiss (Rainbow trout)	REACH Dossier	QSAR
	Algae toxicity	NOEC mg/l	>= 100	3 d Pseudokirchneriella subcapitata	REACH Dossier	OECD 201
128-39-2	2,6-di-tert-butylphenol					
	Acute crustacea toxicity	EC50 mg/l	0,45	48 h Daphnia magna	REACH Registration Dossier	
	Crustacea toxicity	NOEC mg/l	0,035	21 d Daphnia magna	REACH Registration Dossier	OECD Guideline 211
91273-04-0	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine					
	Acute fish toxicity	LC50 mg/l	1,1 mg/l	96 h Danio rerio (zebrafish)	REACH Dossier	OECD 203
	Acute algae toxicity	ErC50 mg/l	> 1 mg/l	72 h Desmodesmus subspicatus	REACH Dossier	OECD 201
	Acute crustacea toxicity	EC50 mg/l	2,2 mg/l	48 h Daphnia magna	REACH Dossier	EU Method C.2
597-82-0	O,O,O-triphenyl phosphorothioate					
	Acute fish toxicity	LC50 mg/l	> 100	96 h Danio rerio	Study report (1997)	EU Method C.1
	Acute algae toxicity	ErC50 mg/l	> 100	72 h Desmodesmus subspicatus	Study report (1997)	EU Method C.3
	Crustacea toxicity	NOEC mg/l	> 5,5	22 d Daphnia magna	Study report (2015)	OECD Guideline 211

**12.2. Persistence and degradability**

The product has not been tested.

**HIGTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 14 of 17

CAS No	Chemical name	Method	Value	d	Source
	Evaluation				
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	OECD 301B	21 %	28	REACH Dossier
	Not easily bio-degradable (according to OECD-criteria).				
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified	OECD 301F	31 %	28	REACH Dossier
	Not easily bio-degradable (according to OECD-criteria).				

**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
1078715-97-5	Reaction products of benzensulfonic acid, mono-C20-24 (even)-sec-alkyl dervis. para-,calcium salts	>= 5,38
128-39-2	2,6-di-tert-butylphenol	4,5
91273-04-0	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine	5,3
597-82-0	O,O,O-triphenyl phosphorothioate	5

**BCF**

CAS No	Chemical name	BCF	Species	Source
1078715-97-5	Reaction products of benzensulfonic acid, mono-C20-24 (even)-sec-alkyl dervis. para-,calcium salts	70,8	Piscis	ECHA
128-39-2	2,6-di-tert-butylphenol	135 - 360	Cyprinus carpio	ECHA
91273-04-0	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine	3,16	calculation	REACH Registration D
597-82-0	O,O,O-triphenyl phosphorothioate	ca. 842 - ca. 2194	Cyprinus carpio	Study report (1999)

**12.4. Mobility in soil**

The product has not been tested.

**12.5. Results of PBT and vPvB assessment**

The mixture contains the following substances fulfilling the PBT criteria according to REACH, annex XIII:  
O,O,O-triphenyl phosphorothioate.

The product has not been tested.

**12.6. Endocrine disrupting properties**

Endocrine disrupting properties: phenol, dodecyl-, branched.

**12.7. Other adverse effects**

No information available.

**Further information**

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

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the

according to Regulation (EC) No 1907/2006

**HIGHTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 15 of 17

substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)****14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)****14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)****14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS:

No

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):  
phenol, dodecyl-, branched; O,O,O-triphenyl phosphorothioate

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 30, Entry 75

Information according to Directive 2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

**National regulatory information**

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

1 - slightly hazardous to water

Skin resorption/Sensitization:

Causes allergic hypersensitivity reactions.

**Additional information**

Observe in addition any national regulations!

**HIGHTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 16 of 17

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Abbreviations and acronyms**

Asp. Tox. 1: Aspiration hazard, hazard category 1

Skin Corr. 1B: Skin corrosion, sub-category 1B

Skin Irrit. 2: Skin irritation, hazard category 2

Eye Dam. 1: Serious eye damage, hazard category 1

Skin Sens. 1A: Skin sensitisation, hazard category 1A

Repr. 1B: Reproductive toxicity, hazard category 1B

Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

EC/EEC: European Community/European Economic Community

EU: European Union

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

M-factor: Multiplying factor

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

DGR: Dangerous Goods Regulations

ICAO: International Civil Aviation Organization

TI: Technical Instructions

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

SVHC: Substance of Very High Concern

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

according to Regulation (EC) No 1907/2006

**HIGHTEC TRUCKSTAR LV SAE 5W-20**

Revision: 04.11.2025

Product code: 20830

Page 17 of 17

**Key literature references and sources for data**

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations). (v.1.2, 2013)

**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

Classification	Classification procedure
Aquatic Chronic 3; H412	Calculation method

**Relevant H and EUH statements (number and full text)**

H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H360F	May damage fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl dervis. para-, calcium salts, N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine. May produce an allergic reaction.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*