

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC HLP 22 ZAF

Revision date: 06.04.2023 Product code: 30204 Page 1 of 12

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

1.1. Product identifier

HIGHTEC HLP 22 ZAF

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

Use of the substance/mixture

Hydraulic fluids

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 Telefax: +49 (0)6241 5906-999

E-mail: info@rowe-oil.com
Contact person: Product Compliance
E-mail: sdb@rowe-oil.com
Internet: www.rowe-oil.com

1.4. Emergency telephone Ireland: Public (8am-10pm) +353 180 921 66, Healthcare Professionals +353

<u>number:</u> 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.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures



Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC HLP 22 ZAF

Revision date: 06.04.2023 Product code: 30204 Page 2 of 12

Relevant ingredients

CAS No	Chemical name			Quantity	
	EC No	Index No	REACH No		
	Classification (Regulation (EC) No	1272/2008)			
64742-55-8	Distillates (petroleum), hydrotreated	l light paraffinic; Baseoil - unspecified	d	30 - < 60 %	
	265-158-7	649-468-00-3	01-2119487077-29		
	Asp. Tox. 1; H304				
128-39-2	2,6-di-tert-butylphenol			0.1 - < 0.3 %	
	204-884-0		01-2119490822-33		
	Skin Irrit. 2, Aquatic Acute 1, Aquat	c Chronic 1; H315 H400 H410	•		
1213789-63-9	C16-18-(even numbered, saturated	and unsaturated)-alkylamines		< 0.1 %	
	627-034-4		01-2119473797-19		
	Acute Tox. 4, Skin Corr. 1B, STOT Chronic 1; H302 H314 H335 H373	SE 3, STOT RE 2, Asp. Tox. 1, Aqua H304 H400 H410	atic Acute 1, Aquatic		

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. L	Limits, M-factors and ATE	
64742-55-8	265-158-7	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified	30 - < 60 %
	dermal: LD50 =	: > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
128-39-2	204-884-0	2,6-di-tert-butylphenol	0.1 - < 0.3 %
	oral: LD50 = > Aquatic Chronic	5000 mg/kg Aquatic Acute 1; H400: M=1 : 1; H410: M=1	
1213789-63-9	627-034-4	C16-18-(even numbered, saturated and unsaturated)-alkylamines	< 0.1 %
		= > 2000 mg/kg; oral: LD50 = 1689 mg/kg	

Further Information

According to EC directives or the corresponding national regulations the product does not have to be labelled.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink 1 glass of of water.

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



according to Regulation (EC) No 1907/2006

HIGHTEC HLP 22 ZAF

Revision date: 06.04.2023 Product code: 30204 Page 3 of 12

Suitable extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

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

Additional information

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

Avoid contact with skin, eyes and clothes. Do not breathe mist/vapours/spray.

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 to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment

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

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

Keine besonderen Vorsichtsmaßnahmen erforderlich.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Take off contaminated clothing. 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.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

Hydraulic fluids



according to Regulation (EC) No 1907/2006

HIGHTEC HLP 22 ZAF

Revision date: 06.04.2023 Product code: 30204 Page 4 of 12

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Base	oil - unspecified	<u> </u>	<u> </u>
Worker DNEI	_, long-term	inhalation	systemic	2,73 mg/m³
Worker DNEI	_, long-term	inhalation	local	5,58 mg/m³
Worker DNEI	_, long-term	dermal	systemic	0,97 mg/kg bw/day
Consumer Di	NEL, long-term	inhalation	local	1,19 mg/m³
Consumer DI	NEL, long-term	oral	systemic	0,74 mg/kg bw/day
128-39-2	2,6-di-tert-butylphenol			
Worker DNEI	_, long-term	inhalation	systemic	70,61 mg/m³
Worker DNEI	., long-term	dermal	systemic	11,25 mg/kg bw/day
Consumer Di	NEL, long-term	inhalation	systemic	20,9 mg/m³
Consumer DI	NEL, long-term	dermal	systemic	6,75 mg/kg bw/day
Consumer DI	NEL, long-term	oral	systemic	6,75 mg/kg bw/day
1213789-63- 9	C16-18-(even numbered, saturated and unsaturated)-alk	ylamines		
Worker DNEI	, long-term	inhalation	systemic	0,38 mg/m³
Worker DNEI	_, long-term	inhalation	local	1 mg/m³
Worker DNEL, acute		inhalation	local	1 mg/m³
Consumer DNEL, long-term		inhalation	systemic	0,035 mg/m³
Consumer DI	NEL, long-term	oral	systemic	0,04 mg/kg bw/day



according to Regulation (EC) No 1907/2006

HIGHTEC HLP 22 ZAF

Revision date: 06.04.2023 Product code: 30204 Page 5 of 12

PNEC values

CAS No	Substance	
Environment	al compartment	Value
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified	
Secondary p	oisoning	9,33 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 s	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
1213789-63- 9	C16-18-(even numbered, saturated and unsaturated)-alkylamines	
Freshwater	•	0,00026 mg/l
Freshwater (intermittent releases)	0,0016 mg/l
Marine water		0,000026 mg/l
Freshwater sediment		3,76 mg/kg
Marine sediment		0,376 mg/kg
Micro-organi	sms in sewage treatment plants (STP)	0,55 mg/l
Soil		10 mg/kg
		•

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection.

Hand protection

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

Use of protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

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: yellow
Odour: characteristic

Test method



according to Regulation (EC) No 1907/2006

HIGHTEC HLP 22 ZAF

Revision date: 06.04.2023 Product code: 30204 Page 6 of 12

Melting point/freezing point:

Boiling point or initial boiling point and

not determined
not determined

boiling range:

Flammability: Not readily combustible.

Lower explosion limits: not determined

Upper explosion limits: not determined

Flash point: >210 °C DIN ISO 2592

Auto-ignition temperature: not determined Decomposition temperature: not determined

pH-Value: not applicable DIN 51369
Viscosity / kinematic: ~ 22 mm²/s DIN 51562

(at 40 °C) Water soluh

Water solubility: practically insoluble

(at 20 °C)

Solubility in other solvents

Soluble in hydrocarbons (mineral oil.)

Partition coefficient n-octanol/water: not determined

Vapour pressure: >0,1 hPa calculated.

(at 20 °C)

Density (at 15 °C): ~ 0,85 g/cm³ DIN 51757

Relative vapour density: not determined Particle characteristics: not relevant

9.2. Other information

Other safety characteristics

Pour point: ~-30 °C

DIN ISO 3016

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

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



according to Regulation (EC) No 1907/2006

HIGHTEC HLP 22 ZAF

Revision date: 06.04.2023 Product code: 30204 Page 7 of 12

CAS No	Chemical name						
	Exposure route	Dose		Species	Source	Method	
64742-55-8	Distillates (petroleum), hy	drotreated lig	ht paraffinio	; Baseoil - unspecified			
	oral	LD50 mg/kg	> 5000	Rat	REACh Dossier	OECD 401	
	dermal	LD50 mg/kg	> 5000	Rabbit	REACh Dossier	OECD 402	
128-39-2	2,6-di-tert-butylphenol						
	oral	LD50 mg/kg	> 5000	Rat	Study report (1991)	OECD Guideline 401	
1213789-63- 9	C16-18-(even numbered, saturated and unsaturated)-alkylamines						
	oral	LD50 mg/kg	1689	Rat	Study report (1993)	OECD Guideline 401	
	dermal	LD50 mg/kg	> 2000	Rat	Study report (1985)	OECD Guideline 402	

Irritation and corrosivity

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.

11.2. Information on other hazards

Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Harmful to aquatic life with long lasting effects.



according to Regulation (EC) No 1907/2006

HIGHTEC HLP 22 ZAF

Revision date: 06.04.2023 Product code: 30204 Page 8 of 12

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified						
	Acute fish toxicity	LL50 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	EL50 mg/l	> 10000		Daphnia magna (Big water flea)	REACh Dossier	OECD 202
	Fish toxicity	NOEC mg/l	>= 1000	l .	Oncorhynchus mykiss (Rainbow trout)	REACh Dossier	QSAR
	Crustacea toxicity	NOEC mg/l	> 1000		Daphnia magna (Big water flea)	REACh Dossier	OECD 211
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

12.2. Persistence and degradability

The product has not been tested

	- Cade Has Het Seel Lociou.					
CAS No	Chemical name					
	Method	Value	d	Source		
	Evaluation	-	-			
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Ba	aseoil - unspecified				
	OECD 301B	31 %	28	REACh Dossier		
	Not easily bio-degradable (according to OECD-crite	eria).	-			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
128-39-2	2,6-di-tert-butylphenol	4,5
1213789-63-9	C16-18-(even numbered, saturated and unsaturated)-alkylamines	5,16

BCF

CAS No	Chemical name	BCF	Species	Source
128-39-2	2,6-di-tert-butylphenol	135 - 360	Cyprinus carpio	Publication (1992)
	C16-18-(even numbered, saturated and unsaturated)-alkylamines	173		Environmental Toxico

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

No information available.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC HLP 22 ZAF

Revision date: 06.04.2023 Product code: 30204 Page 9 of 12

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.

List of Wastes Code - residues/unused products

130110 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN

CHAPTERS 05, 12 AND 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils;

hazardous waste

List of Wastes Code - used product

130110 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN

CHAPTERS 05, 12 AND 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils;

hazardous waste

Contaminated packaging

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

<u>14.4. Packing group:</u> 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.

<u>14.2. UN proper shipping name:</u> 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



Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC HLP 22 ZAF

Revision date: 06.04.2023 Product code: 30204 Page 10 of 12

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Information according to Directive

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

2012/18/EU (SEVESO III):

Additional information

According to EC directives or the corresponding national regulations the product does not have to be labelled.

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

15.2. Chemical safety assessment

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

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 7,9,12,16.



according to Regulation (EC) No 1907/2006

HIGHTEC HLP 22 ZAF

Revision date: 06.04.2023 Product code: 30204 Page 11 of 12

Abbreviations and acronyms

Acute Tox: Acute toxicity
Asp. Tox: Aspiration hazard
Skin Corr: Skin corrosion
Skin Irrit: Skin irritation

STOT SE: Specific target organ toxicity - single exposure STOT RE: Specific target organ toxicity - repeated exposure

Aquatic Acute: Acute aquatic hazard Aquatic Chronic: Chronic aquatic hazard

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

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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

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

DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate 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

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) EmS: Emergency Schedules

MFAG: Medical First Aid Guide

ICAO: International Civil Aviation Organization

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).

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)

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.



for adhering to existing laws and regulations.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 06.04.2023	HIGHTEC HLP 22 ZAF Product code: 30204	Page 12 of 12
Revision date: 00.04.2023	F10uuci coue. 30204	Faye 12 01 12
H315	Causes skin irritation.	
H335	May cause respiratory irritation.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
Further Information		
The information is ba	sed on the present level of our knowledge. It does not, however, give assurance of	

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

product properties and establishes no contract legal rights. The receiver of our product is singularly responsible