

according to Regulation (EC) No 1907/2006

HIGHTEC HLPD 10

Revision date: 06.04.2023

Product code: 30053

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

1.1. Product identifier

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

Use of the	substance/mixture	

Hydraulic oil

1.3. Details of the supplier of the safety data sheet

Company name: Street: Place:	ROWE Mineralölwerk GmbH Langgewann 101 D-67547 Worms	
Telephone: E-mail: Contact person: E-mail: Internet:	+49 (0)6241 5906-0 info@rowe-oil.com Product Compliance sdb@rowe-oil.com www.rowe-oil.com	Telefax: +49 (0)6241 5906-999
1.4. Emergency telephone number:	· · · · · · · · · · · · · · · · · · ·	180 921 66, Healthcare Professionals +353 gency CONTACT (24-Hour-Number): GBK

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Distillates (petroleum), hydrotreated light paraffinic

Danger

Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic

Signal word:

Pictograms:



Hazard statements

H304

May be fatal if swallowed and enters airways.

Precautionary statements

oouullonaly oluloi	
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.
P501	Dispose of contents/container to of the disposal according to local regulations.

Special labelling of certain mixtures

EUH208 Contains Benzenesulfonic acid, mono C15-36 branched alkyl derivatives, potassium salts. May produce an allergic reaction.



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2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name			
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No	1272/2008)		
64742-55-8	Distillates (petroleum), hydrotreate	d light paraffinic; Baseoil - unspecifie	d	60 - < 100 %
	265-158-7	649-468-00-3	01-2119487077-29	
	Asp. Tox. 1; H304			
64742-53-6	Distillates (petroleum), hydrotreate	ied	15 - < 30 %	
	265-156-6	649-466-00-2	01-2119480375-34	
	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, Aqua			
90194-49-3	Benzenesulfonic acid, mono C15-36 branched alkyl derivatives, potassium salts			0.1 - < 0.3 %
	290-660-8			
	Skin Sens. 1B; H317			

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. Limits, M-factors and ATE						
64742-55-8	265-158-7	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified				
dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg						
64742-53-6	265-156-6	Distillates (petroleum), hydrotreated light naphthenic; Baseoil - unspecified	15 - < 30 %			
	dermal: LD50	= > 5000 mg/kg; oral: LD50 = > 5000 mg/kg				
128-39-2	39-2 204-884-0 2,6-di-tert-butylphenol					
		> 5000 mg/kg Aquatic Acute 1; H400: M=1 ic 1; H410: M=1				

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. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

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



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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

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

Suppress gases/vapours/mists with water spray jet. 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

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.



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Advice on protection against fire and explosion No special fire protection measures are necessary.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. 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. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

Hydraulic oil

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; Basec	il - unspecified		
Worker DNEL	, long-term	inhalation	systemic	2,73 mg/m ³
Worker DNEL	., long-term	inhalation	local	5,58 mg/m³
Worker DNEL	., long-term	dermal	systemic	0,97 mg/kg bw/day
Consumer DN	IEL, long-term	inhalation	local	1,19 mg/m ³
Consumer DN	IEL, long-term	oral	systemic	0,74 mg/kg bw/day
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic; Base	eoil - unspecified		
Worker DNEL	, long-term	inhalation	systemic	2,73 mg/m³
Worker DNEL	., long-term	inhalation	local	5,58 mg/m³
Worker DNEL, long-term		dermal	systemic	0,97 mg/kg bw/day
Consumer DN	IEL, long-term	inhalation	local	1,19 mg/m ³
Consumer DN	IEL, long-term	oral	systemic	0,74 mg/kg bw/day
128-39-2	2,6-di-tert-butylphenol			
Worker DNEL	, long-term	inhalation	systemic	70,61 mg/m³
Worker DNEL	., long-term	dermal	systemic	11,25 mg/kg bw/day
Consumer DN	IEL, long-term	inhalation	systemic	20,9 mg/m ³
Consumer DNEL, long-term		dermal	systemic	6,75 mg/kg bw/day
Consumer DN	IEL, long-term	oral	systemic	6,75 mg/kg bw/day



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PNEC values

CAS No	Substance					
Environmenta	Environmental compartment Value					
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified					
Secondary po	soning	9,33 mg/kg				
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic; Baseoil - unspecified					
Secondary po	soning	9,33 mg/kg				
128-39-2	2,6-di-tert-butylphenol					
Freshwater	Freshwater 0,001 mg/l					
Freshwater (ir	Freshwater (intermittent releases) 0,004 mg/l					
Marine water 0 mg/l						
Freshwater se	diment	0,317 mg/kg				
Marine sedime	0,032 mg/kg					
Secondary po	60 mg/kg					
Micro-organisms in sewage treatment plants (STP) 10 mg/l						
Soil	Soil 0,697 mg/kg					

8.2. Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

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



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Melting point/freezing point:	not determined		
Boiling point or initial boiling point and	not determined		
boiling range:			
Flammability:	Not readily combustible.		
Lower explosion limits:	not determined		
Upper explosion limits:	not determined		
Flash point:	>150 °C	DIN ISO 2592	
Auto-ignition temperature:	not determined		
Decomposition temperature:	not determined		
pH-Value:	not applicable	DIN 51369	
Viscosity / kinematic:	~ 10 mm²/s	DIN 51562	
(at 40 °C)			
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/cm ³	DIN 51757	
Relative vapour density:	not determined		
Particle characteristics:	not relevant		
9.2. Other information			
Other safety characteristics			
Pour point:	~ -36 °C		
Pourpoint::		DIN ISO 3016	

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

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



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CAS No	Chemical name						
	Exposure route	Dose	Species	Source	Method		
64742-55-8	Distillates (petroleum), hy	drotreated light paraffin	ic; Baseoil - unspecified				
	oral	LD50 > 5000 mg/kg	Rat	REACh Dossier	OECD 401		
	dermal	LD50 > 5000 mg/kg	Rabbit	REACh Dossier	OECD 402		
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic; Baseoil - unspecified						
	oral	LD50 > 5000 mg/kg	Rat	Study report (1982)	OECD 401		
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1982)	OECD 402		
128-39-2	2,6-di-tert-butylphenol						
	oral	LD50 > 5000 mg/kg	Rat	Study report (1991)	OECD Guideline 401		

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.

Contains Benzenesulfonic acid, mono C15-36 branched alkyl derivatives, potassium salts. May produce an allergic reaction.

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

May be fatal if swallowed and enters airways.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP]. Special hazards arising from the substance or mixture!

11.2. Information on other hazards

Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met. 170042



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CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
64742-55-8	Distillates (petroleum), hy	drotreated l	light paraffinio	; Baseoi	I - 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	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	> 1000	21 d	Daphnia magna (Big water flea)	REACh Dossier	OECD 211
64742-53-6	Distillates (petroleum), hy	drotreated l	light naphther	nic; Base	oil - unspecified		
	Acute fish toxicity	LL50 mg/l	> 100	96 h	Pimephales promelas (fathead minnow)	Study report (1995)	OECD 203
	Fish toxicity	NOEC mg/l	>= 1000	14 d	Oncorhynchus mykiss (Rainbow trout)	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a
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.

CAS No	Chemical name						
	Method Value d Source						
	Evaluation						
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - uns	specified					
	OECD 301B 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
128-39-2	2,6-di-tert-butylphenol	4,5
BCF		

CAS No	Chemical name	BCF	Species	Source
128-39-2	2,6-di-tert-butylphenol	135 - 360	Cyprinus carpio	Publication (1992)

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



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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.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

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

List of Wastes Code - residues/unused products

OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN 130110 CHAPTERS 05, 12 AND 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils; hazardous waste

List of Wastes Code - used product

OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN 130110 CHAPTERS 05, 12 AND 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils; hazardous waste

Contaminated packaging

Hazardous waste according to Directive 2008/98/EC (waste framework directive). 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: 14.2. UN proper shipping name: 14.3. Transport hazard class(es): 14.4. Packing group: Inland waterways transport (ADN) 14.1. UN number or ID number: 14.2. UN proper shipping name: 14.3. Transport hazard class(es): 14.4. Packing group: Marine transport (IMDG) 14.1. UN number or ID number: 14.2. UN proper shipping name: 14.3. Transport hazard class(es): 14.4. Packing group: Air transport (ICAO-TI/IATA-DGR) 14.1. UN number or ID number: 14.2. UN proper shipping name: 14.3. Transport hazard class(es): 14.4. Packing group: 14.5. Environmental hazards ENVIRONMENTALLY HAZARDOUS: No

No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation.

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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



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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

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:

Water hazard class (D): Skin resorption/Sensitization: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). 1 - slightly hazardous to water Causes allergic hypersensitivity reactions.

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): 9,12,16.



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Abbreviations and acronyms

Asp. Tox: Aspiration hazard Skin Irrit: Skin irritation Skin Sens: Skin sensitisation 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
Asp. Tox. 1; H304	Calculation method

Relevant H and EUH statements (number and full text)

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH208	Contains Benzenesulfonic acid, mono C15-36 branched alkyl derivatives, potassium salts.



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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.)