

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC SYNT RS SAE 5W-30 HC

Revision date: 01.11.2023

Product code: 20024

Page 1 of 13

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

HIGHTEC SYNT RS SAE 5W-30 HC

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

Motor oil

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 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 maleic anhydride. May produce an allergic reaction.

2.3. Other hazards

The mixture contains the following substances fulfilling the PBT criteria according to REACH, annex XIII:
Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Propyl)esters, zinc salts.
Endocrine disrupting properties: phenol, dodecyl-, branched.
No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC SYNT RS SAE 5W-30 HC

Revision date: 01.11.2023

Product code: 20024

Page 2 of 13

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			15 - < 30 %
	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)			5 - < 15 %
	Asp. Tox. 1; H304			
84605-29-8	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Propyl)esters,zinc salts			1 - < 2.5 %
	283-392-8		01-2119493626-26	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 2; H315 H318 H411			
	Reaction products of benzensulfonic acid, mono-C20-24 (even)-sec-alkyl dervis. para-,calcium salts			0.3 - < 1 %
	947-519-7		01-2120765498-36	
	Skin Sens. 1B; H317			
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			
108-31-6	maleic anhydride			< 0.1 %
	203-571-6	607-096-00-9	01-2119472428-31	
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Resp. Sens. 1, Skin Sens. 1A, STOT RE 1; H302 H314 H318 H334 H317 H372 EUH071			

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		
64742-54-7	265-157-1	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	15 - < 30 %
	dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg		
84605-29-8	283-392-8	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Propyl)esters,zinc salts	1 - < 2.5 %
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = 4468 mg/kg Skin Irrit. 2; H315: >= 6,25 - 100 Eye Dam. 1; H318: >= 12,5 - 100 Eye Irrit. 2; H319: >= 10 - < 12,5		
	947-519-7	Reaction products of benzensulfonic acid, mono-C20-24 (even)-sec-alkyl dervis. para-,calcium salts	0.3 - < 1 %
	dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg Skin Sens. 1B; H317: >= 10 - 100		
121158-58-5	310-154-3	phenol, dodecyl-, branched	< 0.1 %
	dermal: LD50 = ca. 15000 mg/kg; oral: LD50 = 2100 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=10		
108-31-6	203-571-6	maleic anhydride	< 0.1 %
	dermal: LD50 = 2620 mg/kg; oral: LD50 = 1090 mg/kg Skin Sens. 1A; H317: >= 0,001 - 100		

SECTION 4: First aid measures
4.1. Description of first aid measures
After inhalation

Provide fresh air.

HIGHTEC SYNT RS SAE 5W-30 HC

Revision date: 01.11.2023

Product code: 20024

Page 3 of 13

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 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****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**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC SYNT RS SAE 5W-30 HC

Revision date: 01.11.2023

Product code: 20024

Page 4 of 13

Advice on safe handling

No special measures are necessary.

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)

Motor oil

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

CAS No	Substance	ppm	mg/m ³	fib/cm ³	Category	Origin
108-31-6	Maleic anhydride (Inhalable Fraction and Vapour)	0.01	-		TWA (8 h)	

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC SYNT RS SAE 5W-30 HC

Revision date: 01.11.2023

Product code: 20024

Page 5 of 13

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 ³
Worker DNEL, long-term		dermal	systemic	0,97 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	2,73 mg/m ³
Consumer DNEL, long-term		inhalation	local	1,19 mg/m ³
Consumer DNEL, long-term		oral	systemic	0,74 mg/kg bw/day
84605-29-8	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Propyl)esters,zinc salts			
Worker DNEL, long-term		inhalation	systemic	8,31 mg/m ³
Worker DNEL, long-term		dermal	systemic	12,1 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	2,11 mg/m ³
Consumer DNEL, long-term		dermal	systemic	6,1 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,24 mg/kg bw/day
	Reaction products of benzensulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-,calcium salts			
Worker DNEL, long-term		inhalation	systemic	17,63 mg/m ³
Worker DNEL, long-term		dermal	systemic	25 mg/kg bw/day
Worker DNEL, long-term		dermal	local	1,05 mg/cm ²
Consumer DNEL, long-term		inhalation	systemic	4,35 mg/m ³
Consumer DNEL, long-term		dermal	systemic	12,5 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	0,526 mg/cm ²
Consumer DNEL, long-term		oral	systemic	2,5 mg/kg bw/day
121158-58-5	phenol, dodecyl-, branched			
Worker DNEL, acute		inhalation	systemic	44,18 mg/m ³
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 ³
Consumer DNEL, acute		inhalation	systemic	13,26 mg/m ³
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
108-31-6	maleic anhydride			
Worker DNEL, long-term		inhalation	systemic	0,081 mg/m ³
Worker DNEL, acute		inhalation	systemic	0,2 mg/m ³
Worker DNEL, long-term		inhalation	local	0,081 mg/m ³
Worker DNEL, acute		inhalation	local	0,2 mg/m ³

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC SYNT RS SAE 5W-30 HC

Revision date: 01.11.2023

Product code: 20024

Page 6 of 13

PNEC values

CAS No	Substance	Value
Environmental compartment		
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	
Secondary poisoning		9,33 mg/kg
84605-29-8	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Propyl)esters,zinc salts	
Freshwater		0,004 mg/l
Freshwater (intermittent releases)		0,045 mg/l
Marine water		0,0046 mg/l
Freshwater sediment		0,022 mg/kg
Marine sediment		0,002 mg/kg
Secondary poisoning		10,67 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		0,002 mg/kg
Reaction products of benzensulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. 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
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
108-31-6	maleic anhydride	
Freshwater		0,038 mg/l
Freshwater (intermittent releases)		0,379 mg/l
Marine water		0,004 mg/l
Freshwater sediment		0,296 mg/kg
Marine sediment		0,03 mg/kg
Micro-organisms in sewage treatment plants (STP)		44,6 mg/l
Soil		0,037 mg/kg

8.2. Exposure controls
Individual protection measures, such as personal protective equipment
Eye/face protection

Wear eye/face protection.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC SYNT RS SAE 5W-30 HC

Revision date: 01.11.2023

Product code: 20024

Page 7 of 13

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:	light brown	
Odour:	characteristic	
		Test method
Melting point/freezing point:	not determined	
Boiling point or initial boiling point and boiling range:	not determined	
Flammability:	Not readily combustible.	
Lower explosion limits:	not determined	
Upper explosion limits:	not determined	
Flash point:	>200 °C	DIN ISO 2592
Auto-ignition temperature:	not determined	
Decomposition temperature:	not determined	
pH-Value:	not applicable	DIN 51369
Viscosity / kinematic: (at 100 °C)	~ 10,3 mm ² /s	DIN 51562
Water solubility: (at 20 °C)	practically insoluble	
Solubility in other solvents	not determined	
Partition coefficient n-octanol/water:	not determined	
Vapour pressure: (at 20 °C)	<0,1 hPa	calculated.
Density (at 15 °C):	~ 0,855 g/cm ³	DIN 51757
Relative vapour density:	not determined	
Particle characteristics:	not relevant	

9.2. Other information

Other safety characteristics

Pourpoint: ~ -36 °C 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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC SYNT RS SAE 5W-30 HC

Revision date: 01.11.2023

Product code: 20024

Page 8 of 13

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified				
	oral	LD50 > 5000 mg/kg	Rat	REACH Dossier	OECD 401
	dermal	LD50 > 5000 mg/kg	Rabbit	REACH Dossier	OECD 402
84605-29-8	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Propyl)esters,zinc salts				
	oral	LD50 4468 mg/kg	Rat	Study report (1985)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1980)	OECD Guideline 402
	Reaction products of benzensulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-,calcium salts				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1981)	OECD Guideline 401
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1981)	OECD Guideline 402
121158-58-5	phenol, dodecyl-, branched				
	oral	LD50 2100 mg/kg	Rat	Publication (1978)	OECD Guideline 401
	dermal	LD50 ca. 15000 mg/kg	Rabbit	Study report (1968)	OECD Guideline 402
108-31-6	maleic anhydride				
	oral	LD50 1090 mg/kg	Rat	SIDS Initial Assessment Report for SIAM	OECD Guideline 401
	dermal	LD50 2620 mg/kg	Rabbit	Toxicol. Appl. Pharmacol. 42, 417-424 (1	The method used for skin absorption toxicol.

Irritation and corrosivity

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

HIGHTEC SYNT RS SAE 5W-30 HC

Revision date: 01.11.2023

Product code: 20024

Page 9 of 13

Sensitising effects

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

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

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.

Harmful to aquatic life with long lasting effects.

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	LL50 > 100 mg/l	96 h	Pimephales promelas (fathead minnow)	REACH Dossier	OECD 203
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Pseudokirchneriella subcapitata	REACH Dossier	OECD 201
	Acute crustacea toxicity	EL50 > 10000 mg/l	48 h	Daphnia magna (Big water flea)	REACH Dossier	OECD 202
	Fish toxicity	NOEC >= 1000 mg/l	14 d	Oncorhynchus mykiss (Rainbow trout)	REACH Dossier	QSAR
	Crustacea toxicity	NOEC > 10 mg/l	21 d	Daphnia magna (Big water flea)	REACH Dossier	OECD 211
84605-29-8	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Propyl)esters,zinc salts					
	Acute fish toxicity	LL50 4,5 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	Study report (2005)	OECD Guideline 203
	Crustacea toxicity	NOEC 0,4 mg/l	21 d	Daphnia magna	Study report (2010)	OECD Guideline 211
121158-58-5	phenol, dodecyl-, branched					
	Acute crustacea toxicity	EC50 0,037 mg/l	48 h	Daphnia magna	Study report (2005)	OECD Guideline 202
	Crustacea toxicity	NOEC 0,004 mg/l	21 d	Daphnia magna	Study report (2005)	OECD Guideline 211
	Acute bacteria toxicity	EC50 > 1000 mg/l ()	3 h	activated sludge of a predominantly industrial sew	Study report (2004)	OECD Guideline 209

12.2. Persistence and degradability

The product has not been tested.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC SYNT RS SAE 5W-30 HC

Revision date: 01.11.2023

Product code: 20024

Page 10 of 13

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).				

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
84605-29-8	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Propyl)esters,zinc salts	0,56
	Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-,calcium salts	>= 5,38
121158-58-5	phenol, dodecyl-, branched	7,14
108-31-6	maleic anhydride	-2,61

BCF

CAS No	Chemical name	BCF	Species	Source
	Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alkyl derivs. para-,calcium salts	70,8	fish	Study report (2017)
121158-58-5	phenol, dodecyl-, branched	289	Oncorhynchus mykiss	Study report (2006)

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:
 Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Propyl)esters,zinc salts.

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.

List of Wastes Code - residues/unused products

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

List of Wastes Code - used product

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

Contaminated packaging

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC SYNT RS SAE 5W-30 HC

Revision date: 01.11.2023

Product code: 20024

Page 11 of 13

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

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)

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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC SYNT RS SAE 5W-30 HC

Revision date: 01.11.2023

Product code: 20024

Page 12 of 13

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2.

Abbreviations and acronyms

Acute Tox: Acute toxicity

Asp. Tox: Aspiration hazard

Skin Corr: Skin corrosion

Skin Irrit: Skin irritation

Eye Dam: Eye damage

Resp. Sens: Respiratory sensitisation

Skin Sens: Skin sensitisation

Repr: Reproductive toxicity

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).

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC SYNT RS SAE 5W-30 HC

Revision date: 01.11.2023

Product code: 20024

Page 13 of 13

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.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H360F	May damage fertility.
H372	Causes damage to organs through prolonged or repeated exposure.
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.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains maleic anhydride. 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 above data are intended to describe our product in terms of any safety requirements to be observed. They reflect the state of our current knowledge and experience and shall not be construed as warranted characteristics. Any warranty for accuracy and completeness shall be expressly excluded.

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