

according to Regulation (EC) No 1907/2006

HIGHTEC POWER BOAT 4-T SAE 20W-50

Revision date: 01.11.2023 Product code: 20155 Page 1 of 12

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

1.1. Product identifier

HIGHTEC POWER BOAT 4-T SAE 20W-50

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

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

number: 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

Skin Sens. 1; H317

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated

Signal word: Warning

Pictograms:



Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P102 Keep out of reach of children.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing

protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container to of the disposal according to local regulations.

2.3. Other hazards

No information available.



according to Regulation (EC) No 1907/2006

HIGHTEC POWER BOAT 4-T SAE 20W-50

Revision date: 01.11.2023 Product code: 20155 Page 2 of 12

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

CAS No	Chemical name			Quantity	
	EC No	Index No	REACH No		
	Classification (Regulation (EC) No	1272/2008)			
68784-31-6	6 Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts				
	272-238-5		01-2119657973-23		
	Eye Dam. 1, Aquatic Chronic 2; H318 H411				
	Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated				
	953-650-0				
Repr. 2, Skin Sens. 1; H361d 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.	c Conc. Limits, M-factors and ATE			
68784-31-6	272-238-5	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts			
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = 3400 mg/kg			
	953-650-0 Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated		1 - < 2.5 %		
	Repr. 2; H361d: >= 17,15 - 100				

Further Information

Tugann sonraí tástála le fios nach dtiocfaidh aon chéim amháin den táirge as an gcomhpháirt since.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Self-protection of the first aider

Change contaminated clothing.

Do not put any product-impregnated cleaning rags into your trouser pockets.

After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice. In case of inhalation of aerosols/spray mist/splash spots: Consult physician.

Avoid breathing dust/fume/gas/mist/vapours/spray. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

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. Medical treatment necessary. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

If skin irritation or rash 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.

In case of troubles or persistent symptoms, consult an ophthalmologist.



according to Regulation (EC) No 1907/2006

HIGHTEC POWER BOAT 4-T SAE 20W-50

Revision date: 01.11.2023 Product code: 20155 Page 3 of 12

After ingestion

Rinse mouth immediately and drink plenty of water.

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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. Caution if victim vomits: Risk of aspiration!

Aspiration hazard: Call a physician immediately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

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

Carbon dioxide (CO2). Dry extinguishing powder. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Non-flammable. Special exposure hazards arising from the substance itself, combustion products, resulting gases:

Carbon dioxide (CO2). Carbon monoxide Sulphur oxides. Phosphorus oxides. Hydrogen sulphide (H2S).

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit. carbon black In case of fire and/or explosion do not breathe fumes.

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. Dispose of waste according to applicable legislation.

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

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.

Prevent spread over a wide area (e.g. by containment or oil barriers).

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.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC POWER BOAT 4-T SAE 20W-50

Revision date: 01.11.2023 Product code: 20155 Page 4 of 12

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13 In case of gas escape or of entry into waterways, soil or drains, inform the responsible

authorities.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Protect skin by using skin protective cream. Wash hands before breaks and after work.

Conditions to avoid: aerosol or mist generation.

Advice on protection against fire and explosion

No special measures are necessary.

When using do not smoke.

Fire class: B (DIN-/EN-Norms EN2)

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. When using do not eat, drink or smoke.

Protect skin by using skin protective cream.

Keep away from food, drink and animal feedingstuffs.

Do not breathe vapour.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Keep away from heat. Keep/Store only in original container.

Hints on joint storage

Do not store together with:Food and fodder, Oxidizing agents.

Further information on storage conditions

If product enters soil, it will be mobile and may contaminate groundwater. Keep away from heat.

7.3. Specific end use(s)

Motor oil

SECTION 8: Exposure controls/personal protection

8.1. Control parameters



according to Regulation (EC) No 1907/2006

HIGHTEC POWER BOAT 4-T SAE 20W-50

Revision date: 01.11.2023 Product code: 20155 Page 5 of 12

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
68784-31-6	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dim	ethylbutyl) esters, zinc	salts	
Worker DNEL,	long-term	inhalation	systemic	2,93 mg/m³
Worker DNEL,	acute	inhalation	systemic	496,4 mg/m³
Worker DNEL, long-term		dermal	systemic	10,42 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	100 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	11,75 mg/m³
Consumer DNEL, acute		inhalation	systemic	198,6 mg/m³
Consumer DNEL, long-term		dermal	systemic	2,1 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	50 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,21 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	29 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmenta	Il compartment	Value
68784-31-6	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	
Freshwater		0,004 mg/l
Freshwater (i	ntermittent releases)	0,044 mg/l
Marine water		0,0046 mg/l
Freshwater sediment		0,07 mg/kg
Marine sediment		0,007 mg/kg
Secondary poisoning		8,33 mg/kg
Micro-organis	ms in sewage treatment plants (STP)	3,8 mg/l
Soil	0,055 mg/kg	

8.2. Exposure controls



Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection. In fine dispersion/spraying/misting: 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. Wear suitable gloves.

Skin protection

Use of protective clothing. In fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Wear breathing apparatus if exposed to



according to Regulation (EC) No 1907/2006

HIGHTEC POWER BOAT 4-T SAE 20W-50

Revision date: 01.11.2023 Product code: 20155 Page 6 of 12

vapours/dusts/aerosols.

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

Test method

Melting point/freezing point:

Boiling point or initial boiling point and

not determined
not determined

boiling range:

Flammability: Not readily combustible.

Lower explosion limits:

Upper explosion limits:

not determined Literatur

not determined Literatur

rot determined Companies

not determined Compa

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

pH-Value: not applicable DIN 51369
Viscosity / kinematic: ~18,5 mm²/s DIN 51562

(at 100 °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): ~0,885 g/cm³ DIN 51757

Relative vapour density: not determined Particle characteristics: not relevant

9.2. Other information

Other safety characteristics

Pourpoint:: ~ -18 °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

No thermal decomposition if properly stored / handled /transported. Onset of decomposition at elevated temperatures (>65°C): (e.g. H2S)

10.3. Possibility of hazardous reactions

possible with strong oxidizing agents.

This product is stable under normal conditions. Hazardous reactions are unlikely.

10.4. Conditions to avoid

none

10.5. Incompatible materials

Oxidizing agents, strong.



Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC POWER BOAT 4-T SAE 20W-50

Revision date: 01.11.2023 Product code: 20155 Page 7 of 12

10.6. Hazardous decomposition products

none

Further information

No thermal decomposition if properly stored / handled /transported.

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.

No data available.

Irritant effect on the respiratory tract: Do not breathe gas/vapour.

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	
68784-31-6	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts						
	oral	LD50 mg/kg	3400	Rat	Study report (1981)	OECD Guideline 401	
	dermal	LD50 mg/kg	> 5000	Rabbit	Study report (1981)	OECD Guideline 402	

Irritation and corrosivity

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

Irritant effect on the skin: none

Frequent and prolonged eye contact may cause eye irritation.

Sensitising effects

May cause an allergic skin reaction. (Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated)

Due to the very low concentration of sensitizing substances, the finished product can be assumed not to be skin-sensitizing.

Carcinogenic/mutagenic/toxic effects for reproduction

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

The product is not classified.

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.

Frequently or prolonged contact with skin may cause dermal irritation.

Aspiration hazard

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

Specific effects in experiment on an animal

No data available.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Practical experience

not applicable

11.2. Information on other hazards



Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC POWER BOAT 4-T SAE 20W-50

Revision date: 01.11.2023 Product code: 20155 Page 8 of 12

Further information

No special hazards known when the product is properly used and the precautionary measures indicated are observed.

SECTION 12: Ecological information

12.1. Toxicity

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

The product is not: Ecotoxic.

CAS No	Chemical name						
-	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
68784-31-6	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts						
	Acute fish toxicity	LL50	4,4 mg/l	96 h	Oncorhynchus mykiss	Study report (2002)	OECD Guideline 203
	Acute algae toxicity	ErC50	410 mg/l		Desmodesmus subspicatus	Study report (2004)	OECD Guideline 201
	Acute crustacea toxicity	EL50	75 mg/l	48 h	Daphnia magna	Study report (2005)	OECD Guideline 202
	Crustacea toxicity	NOEC	0,4 mg/l	21 d	Daphnia magna	Study report (2010)	OECD Guideline 211

12.2. Persistence and degradability

Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants. Poorly eliminated from water.

Not easily bio-degradable (according to OECD-criteria). Product is partially biodegradable. Significant residues remain

Post-use oils must not be discharged into the sewer system or into surface waters nor must they be allowed to enter the soil.

12.3. Bioaccumulative potential

No data available.

Do not allow uncontrolled discharge of product into the environment.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68784-31-6	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	ca. 4

12.4. Mobility in soil

No data available.

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

Aquatic organisms: No data available.

Effects in sewage plants No data available.

No data 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



Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC POWER BOAT 4-T SAE 20W-50

Revision date: 01.11.2023 Product code: 20155 Page 9 of 12

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. The waste codes stated are recommendations based on the expected use of the substance and may be re-assigned to other waste codes by the user, if applicable.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

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 substance itself. Dispose of this material and its container to hazardous or special waste collection point.

SECTION 14: Transport information

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



Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC POWER BOAT 4-T SAE 20W-50

Revision date: 01.11.2023 Product code: 20155 Page 10 of 12

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Additional information

Information according to Directive

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

2012/18/EU (SEVESO III):

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): 2 - obviously hazardous to water

Skin resorption/Sensitization: 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



according to Regulation (EC) No 1907/2006

HIGHTEC POWER BOAT 4-T SAE 20W-50

Revision date: 01.11.2023 Product code: 20155 Page 11 of 12

Abbreviations and acronyms

Eye Dam: Eye damage Skin Sens: Skin sensitisation Repr: Reproductive toxicity

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
Skin Sens. 1; H317	Calculation method

Relevant H and EUH statements (number and full text)

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

H361d Suspected of damaging the unborn child.
H411 Toxic to aquatic life with long lasting effects.

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



Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC POWER BOAT 4-T SAE 20W-50

Revision date: 01.11.2023 Product code: 20155 Page 12 of 12

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.)