

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC POWER BOAT 2-T

Revision date: 06.04.2023 Product code: 20078 Page 1 of 12

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

1.1. Product identifier

HIGHTEC POWER BOAT 2-T

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

Use of the substance/mixture

2-T 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 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

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

2.3. Other hazards

Endocrine disrupting properties: Isooctadecanoic acid, reaction products with tetraethylenepentamine. No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures



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Relevant ingredients

CAS No	Chemical name				
	EC No	Index No	REACH No		
	Classification (Regulation (EC) No	1272/2008)	•		
	Hydrocarbons, C13-C16, n-alkanes	s, isoalkanes, cyclics, < 0.03% aroma	atics	5 - < 15 %	
	934-954-2		01-2119826592-36		
	Asp. Tox. 1; H304				
869062-45-3	Hydrocarbons, C12-C15, n-alkanes	s, isoalkanes, cyclics, <2% aromatics	3	5 - < 15 %	
	920-107-4		01-2119453414-43		
	Asp. Tox. 1; H304 EUH066	•			
	Phenol, (dimethylamino)methyl-,po		5 - < 15 %		
	Aquatic Chronic 3; H412				
	Isooctadecanoic acid, reaction prod		1 - < 2.5 %		
	701-204-9		01-2119960832-33		
	Skin Irrit. 2, Eye Irrit. 2; H315 H319				
	Mineral Oil (CAS 64742-54-7, 6474		1 - < 2.5 %		
	Asp. Tox. 1; H304				
91-20-3	naphthalene			0.1 - < 0.3 %	
	202-049-5	601-052-00-2	01-2119561346-37		
	Carc. 2, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1; H351 H302 H400 H410				

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					
	934-954-2	Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics	5 - < 15 %			
	dermal: LD50 =	= > 3160 mg/kg; oral: LD50 = > 5000 mg/kg				
869062-45-3	920-107-4	Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	5 - < 15 %			
	dermal: LD50 = > 3160 mg/kg; oral: LD50 = > 15000 mg/kg					
	701-204-9	-9 Isooctadecanoic acid, reaction products with tetraethylenepentamine				
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg					
91-20-3	202-049-5	naphthalene	0.1 - < 0.3 %			
	inhalation: LC50 = > 77,7 mg/l (vapours); dermal: LD50 = > 16000 mg/kg; oral: LD50 = 710 mg/kg					

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.



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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.

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

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



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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)

2-T Motor oil

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m³	fib/cm³	Category	Origin
91-20-3	Naphthalene	10	50		TWA (8 h)	

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
	Isooctadecanoic acid, reaction products with tetraethylenep	pentamine		
Worker DNEL,	long-term	inhalation	systemic	11,75 mg/m³
Worker DNEL, long-term		dermal	systemic	3,33 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	2,9 mg/m³
Consumer DNEL, long-term		dermal	systemic	1,67 mg/kg bw/day
Consumer DN	EL, long-term	oral	systemic	1,67 mg/kg bw/day
91-20-3	naphthalene			
Worker DNEL, long-term		inhalation	systemic	25 mg/m³
Worker DNEL, long-term		inhalation	local	25 mg/m³
Worker DNEL, long-term		dermal	systemic	3,57 mg/kg bw/day



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PNEC values

CAS No	Substance	
Environmen	tal compartment	Value
	Isooctadecanoic acid, reaction products with tetraethylenepentamine	
Freshwater		0,46 mg/l
Freshwater	(intermittent releases)	0,94 mg/l
Marine wate	r	0,046 mg/l
Freshwater	sediment	38100 mg/kg
Marine sedi	ment	3810 mg/kg
Secondary poisoning		33,3 mg/kg
Micro-organisms in sewage treatment plants (STP)		1000 mg/l
Soil		10 mg/kg
91-20-3	naphthalene	
Freshwater		0,0024 mg/l
Freshwater	(intermittent releases)	0,02 mg/l
Marine water		0,0024 mg/l
Freshwater sediment		0,0672 mg/kg
Marine sediment		0,0672 mg/kg
Micro-organisms in sewage treatment plants (STP)		2,9 mg/l
Soil		0,0533 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: greenish blue
Odour: characteristic

Test method

Melting point/freezing point:

Boiling point or initial boiling point and

not determined
not determined

boiling range:



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Flammability: Not readily combustible.

Lower explosion limits: not determined

Upper explosion limits: not determined

Flash point: >100 °C DIN ISO 2592

Auto-ignition temperature: not determined

Decomposition temperature: not determined

pH-Value: not applicable DIN 51369
Viscosity / kinematic: ~ 8,3, mm²/s DIN 51562

Viscosity / kinematic: (at 100 °C)

Water solubility: practically insoluble

(at 20 °C)

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined

Vapour pressure: <0,1 hPa calculated.

(at 20 °C)

Density (at 15 °C): ~ 0,87 g/cm³ DIN 51757

Relative vapour density: not determined Particle characteristics: not relevant

9.2. Other information

Other safety characteristics

Pour point: ~ -21 °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



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CAS No	Chemical name							
	Exposure route	Dose		Species	Source	Method		
	Hydrocarbons, C13-C16,	n-alkanes, is	soalkanes, c	cyclics, < 0.03% aromatics	•			
	oral	LD50 mg/kg	> 5000	Rat	Study report (1983)	OECD Guideline 401		
	dermal	LD50 mg/kg	> 3160	Rabbit	Study report (1983)	OECD Guideline 402		
869062-45-3	Hydrocarbons, C12-C15,	, n-alkanes, is	soalkanes, c	cyclics, <2% aromatics				
	oral	LD50 mg/kg	> 15000	Rat	Study report (1977)	OECD Guideline 401		
	dermal	LD50 mg/kg	> 3160	Rabbit	Study report (1984)	OECD Guideline 402		
	Isooctadecanoic acid, reaction products with tetraethylenepentamine							
	oral	LD50 mg/kg	> 5000	Rat	Study report (1985)	OECD Guideline 401		
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (1985)	OECD Guideline 402		
91-20-3	naphthalene							
	oral	LD50 mg/kg	710	Mouse	FUND. APPL. TOXICOL 4: 406-419 (1984) (1	OECD Guideline 401		
	dermal	LD50 mg/kg	> 16000	Rat	Study report (1980)	OECD Guideline 402		
	inhalation (4 h) vapour	LC50 mg/l	> 77,7	Rat	Study report (1985)	EPA TSCA		

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.

Additional information on tests

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

11.2. Information on other hazards

Endocrine disrupting properties

Endocrine disrupting properties: Isooctadecanoic acid, reaction products with tetraethylenepentamine.

Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

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

The product is not: Ecotoxic.



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CAS No	Chemical name								
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method		
	Hydrocarbons, C13-C16,	n-alkanes, i	soalkanes, cy	yclics, <	0.03% aromatics				
	Acute fish toxicity	LL50 mg/l	> 1028	96 h	Scophthalmus maximus	Study report (2002)	other: "Guideline for measuring the acut		
	Acute algae toxicity	ErC50 mg/l	> 10000	72 h	Skeletonema costatum	Study report (1997)	ISO 10253		
	Acute crustacea toxicity	EL50 mg/l	> 3190	48 h	other aquatic arthropod: Acartia tonsa	Study report (2008)	other: ISO 14669 - 1999 Water quality -		
	Fish toxicity	NOEC mg/l	> 1000	28 d	Oncorhynchus mykiss	Company report (2010)	The aquatic toxicity was estimated by a		
	Crustacea toxicity	NOEC mg/l	> 1000	21 d	Daphnia magna	Company report (2010)	The aquatic toxicity was estimated by a		
	Acute bacteria toxicity	EC50 mg/l ()	> 100	3 h	activated sludge of a predominantly domestic sewag	Study report (1994)	OECD Guideline 209		
869062-45-3	Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics								
	Acute algae toxicity	ErC50 mg/l	> 1000	72 h	Pseudokirchneriella subcapitata	REACh Registration Dossier	OECD Guideline 201		
	Crustacea toxicity	NOEC mg/l	> 1000	21 d	Daphnia magna (Big water flea)	REACh Registration Dossier	The aquatic toxicity was estimated by a		
	Phenol, (dimethylamino)methyl-,polyisobutylene derivs.								
	Acute fish toxicity	LC50	31 mg/l	96 h	Pimephales promelas (fathead minnow)				
	Isooctadecanoic acid, rea	ction produc	cts with tetrae	ethylenep	pentamine				
	Acute fish toxicity	LC50 mg/l	> 1000	96 h	Pimephales promelas	Study report (1993)	EPA OTS 797.1400		
	Acute crustacea toxicity	EC50 mg/l	> 1000	48 h	Daphnia magna	Study report (1997)	OECD Guideline 202		
	Crustacea toxicity	NOEC	32 mg/l	14 d	Daphnia magna	Study report (2003)	OECD Guideline 211		
	Acute bacteria toxicity	EC50 mg/l ()	> 1000	3 h	activated sludge of a predominantly domestic sewag	Study report (1993)	OECD Guideline 209		
91-20-3	naphthalene								
	Acute algae toxicity	ErC50 mg/l	0,45	72 h	Skeletonema costatum	Mar Environ Res 11, 183-200 (1984)			

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.



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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
869062-45-3	Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	>= 5,03
	Isooctadecanoic acid, reaction products with tetraethylenepentamine	ca. 45,8
91-20-3	naphthalene	3,4

BCF

CAS No	Chemical name	BCF	Species	Source
	Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	>= 207,7		REACh Registration D
91-20-3	naphthalene	36,5 - 168	Cyprinus carpio	

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.

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

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

List of Wastes Code - contaminated packaging

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

Wash with plenty of water. Completely emptied packages can be recycled.

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)



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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

Restrictions on use (REACH, annex XVII):

Entry 75

Information according to Directive

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

2012/18/EU (SEVESO III):

National regulatory information

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): 9,12,16.



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Abbreviations and acronyms

Acute Tox: Acute toxicity Asp. Tox: Aspiration hazard Skin Irrit: Skin irritation Eye Irrit: Eye irritation Carc: Carcinogenicity

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).

Relevant H and EUH statements (number and full text) H302 Harmful if swallowed.

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.

H319 Causes serious eye irritation. H351 Suspected of causing cancer. 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.



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EUH066

Repeated exposure may cause skin dryness or cracking.

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.)