

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC OCTANE BOOSTER

Revision date: 02.02.2024

Product code: 22004

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

1.1. Product identifier

HIGHTEC OCTANE BOOSTER

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

Use of the substance/mixture

Additive

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

Asp. Tox. 1; H304
 Skin Irrit. 2; H315
 Eye Irrit. 2; H319
 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

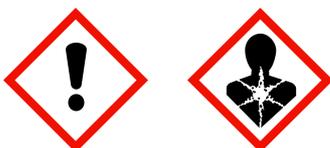
Regulation (EC) No 1272/2008

Hazard components for labelling

Naphtha (petroleum), hydrotreated heavy
 Distillates (petroleum), hydro-treated light; Kerosine - unspecified
 Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified
 Aromatic hydrocarbons, C10

Signal word: Danger

Pictograms:



Hazard statements

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
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P102	Keep out of reach of children.
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.

2.3. Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB.
Vapours can form explosive mixtures with air.

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)	
64742-48-9	Naphtha (petroleum), hydrotreated heavy	60 - < 100 %
	265-150-3	
	649-327-00-6	
	01-2119486659-16	
	Asp. Tox. 1; H304 EUH066	
104-76-7	2-ethylhexan-1-ol	2.5 - < 5 %
	203-234-3	
	01-2119487289-20	
	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H332 H315 H319 H335	
64742-47-8	Distillates (petroleum), hydro-treated light; Kerosine - unspecified	2.5 - < 5 %
	265-149-8	
	649-422-00-2	
	01-2119484819-18	
	Asp. Tox. 1; H304 EUH066	
64742-94-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	2.5 - < 5 %
	265-198-5	
	649-424-00-3	
	STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H336 H304 H411	
68071-17-0	Poly(oxy-,1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-,phosphate, potassium salt	2.5 - < 5 %
	683-342-9	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319	
68603-38-3	Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)	2.5 - < 5 %
	271-653-9	
	01-2119951823-33	
	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 2; H315 H319 H411	
1189173-42-9	Aromatic hydrocarbons, C10	1 - < 2.5 %
	918-811-1	
	01-2119463588-24	
	STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H336 H304 H411 EUH066	
91-20-3	naphthalene	0.3 - < 1 %
	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.

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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
64742-48-9	265-150-3	Naphtha (petroleum), hydrotreated heavy	60 - < 100 %
		inhalation: LC50 = 28,1 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg	
104-76-7	203-234-3	2-ethylhexan-1-ol	2.5 - < 5 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: LD50 = 3290 mg/kg	
64742-47-8	265-149-8	Distillates (petroleum), hydro-treated light; Kerosine - unspecified	2.5 - < 5 %
		dermal: LD50 = > 4000 mg/kg; oral: LD50 = > 5000 mg/kg	
64742-94-5	265-198-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	2.5 - < 5 %
		inhalation: LC50 = 30 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg	
68603-38-3	271-653-9	Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)	2.5 - < 5 %
		oral: LD50 = > 3000 mg/kg	
1189173-42-9	918-811-1	Aromatic hydrocarbons, C10	1 - < 2.5 %
		inhalation: LC50 = > 6193 mg/l (vapours); dermal: LD50 = > 3160 mg/kg; oral: LD50 = 3492 mg/kg	
91-20-3	202-049-5	naphthalene	0.3 - < 1 %
		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
General information

When in doubt or if symptoms are observed, get medical advice.

After inhalation

Provide fresh air. If experiencing respiratory symptoms: Call a doctor.

After contact with skin

Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.

After contact with eyes

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

After ingestion

Do NOT induce vomiting. 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

Water spray jet. Foam. Carbon dioxide (CO₂).
Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Combustible. Non-flammable. Vapours can form explosive mixtures with air.
In case of fire may be liberated: Carbon monoxide (CO), Carbon dioxide (CO₂), Pyrolysis products, toxic.

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5.3. Advice for firefighters

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

Additional information

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

Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes.

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 uncontrolled discharge of product into the environment.

6.3. Methods and material for containment and cleaning up**For containment**

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

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**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with eyes and skin. Use personal protection equipment.

Advice on protection against fire and explosion

Vapours may form explosive mixtures with air. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only antistatically equipped (spark-free) tools.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

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 in a cool, well-ventilated place. Store in a dry place.

Hints on joint storage

Do not store together with: Oxidizing agent, Pyrophoric or self-heating substances.

Further information on storage conditions

Keep away from heat.

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7.3. Specific end use(s)

Additive

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
104-76-7	2-Ethylhexan-1-ol	1	5.4		TWA (8 h)	
-	Mineral Oil pure, highly & severely refined (Inhalable)	-	5		TWA (8 h)	
91-20-3	Naphthalene	10	50		TWA (8 h)	

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DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
64742-48-9	Naphtha (petroleum), hydrotreated heavy			
Worker DNEL, long-term		inhalation	systemic	1,9 mg/m ³
Worker DNEL, acute		inhalation	systemic	1286,4 mg/m ³
Worker DNEL, long-term		inhalation	local	837,5 mg/m ³
Worker DNEL, acute		inhalation	local	1066,67 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	0,41 mg/m ³
Consumer DNEL, acute		inhalation	systemic	1152 mg/m ³
Consumer DNEL, long-term		inhalation	local	178,57 mg/m ³
Consumer DNEL, acute		inhalation	local	640 mg/m ³
104-76-7	2-ethylhexan-1-ol			
Worker DNEL, long-term		inhalation	systemic	12,8 mg/m ³
Worker DNEL, long-term		inhalation	local	53,2 mg/m ³
Worker DNEL, acute		inhalation	local	53,2 mg/m ³
Worker DNEL, long-term		dermal	systemic	23 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	2,3 mg/m ³
Consumer DNEL, long-term		inhalation	local	26,6 mg/m ³
Consumer DNEL, acute		inhalation	local	26,6 mg/m ³
Consumer DNEL, long-term		dermal	systemic	11,4 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	1,1 mg/kg bw/day
64742-94-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified			
Consumer DNEL, long-term		inhalation	systemic	10,2 mg/m ³
Consumer DNEL, long-term		dermal	systemic	42,4 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	2,1 mg/kg bw/day
68603-38-3	Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)			
Worker DNEL, long-term		inhalation	systemic	73,44 mg/m ³
Worker DNEL, long-term		dermal	systemic	4,16 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	21,73 mg/m ³
Consumer DNEL, long-term		dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	6,25 mg/kg bw/day
1189173-42-9	Aromatic hydrocarbons, C10			
Worker DNEL, long-term		inhalation	systemic	151 mg/m ³
Worker DNEL, long-term		dermal	systemic	12,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	32 mg/m ³
Consumer DNEL, long-term		dermal	systemic	7,5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	7,5 mg/kg bw/day
91-20-3	naphthalene			
Worker DNEL, long-term		inhalation	systemic	25 mg/m ³

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Worker DNEL, long-term	inhalation	local	25 mg/m ³
Worker DNEL, long-term	dermal	systemic	3,57 mg/kg bw/day

PNEC values

CAS No	Substance	Value
Environmental compartment		
104-76-7	2-ethylhexan-1-ol	
Freshwater		0,017 mg/l
Freshwater (intermittent releases)		0,17 mg/l
Marine water		0,002 mg/l
Freshwater sediment		0,284 mg/kg
Marine sediment		0,028 mg/kg
Secondary poisoning		55 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,047 mg/kg
68603-38-3	Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)	
Freshwater		0,007 mg/l
Freshwater (intermittent releases)		0,012 mg/l
Marine water		0,0007 mg/l
Freshwater sediment		0,21115 mg/kg
Micro-organisms in sewage treatment plants (STP)		830 mg/l
Soil		0,09979 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



Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection. (EN 166)

Hand protection

Tested protective gloves must be worn (EN ISO 374)

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

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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

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Thermal hazards

Flame-retardant protective clothing Wear anti-static footwear and clothing

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-orange
Odour:	characteristic
Odour threshold:	not determined
Melting point/freezing point:	-22 °C
Boiling point or initial boiling point and boiling range:	175-230 °C
Flammability:	Combustible. Non-flammable.
Lower explosion limits:	0.5 vol. %
Upper explosion limits:	7.0 vol. %
Flash point:	62 °C
Auto-ignition temperature:	> 200 °C
Decomposition temperature:	not determined
pH-Value:	not determined
Viscosity / kinematic: (at 20 °C)	1,7 mm ² /s
Water solubility:	Immiscible
Solubility in other solvents not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	0,803 g/cm ³
Relative vapour density:	not determined
Particle characteristics:	not applicable

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

Vapours may form explosive mixtures with air.

Further Information

No information available.

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.

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10.3. Possibility of hazardous reactions

Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Oxidizing agent, Pyrophoric or self-heating substances.

10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide (CO), Carbon dioxide (CO₂), Pyrolysis products, toxic.

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) 220,4 mg/l; ATE (inhalation dust/mist) 30,06 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-48-9	Naphtha (petroleum), hydrotreated heavy				
	oral	LD50 > 2000 mg/kg	Rat	Study report (1989)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1989)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 28,1 mg/l	Rat	Study report (1980)	OECD Guideline 403
104-76-7	2-ethylhexan-1-ol				
	oral	LD50 3290 mg/kg	Rat	Publication (1973)	OECD Guideline 401
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			
64742-47-8	Distillates (petroleum), hydro-treated light; Kerosine - unspecified				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1992)	EPA OTS 798.1175
	dermal	LD50 > 4000 mg/kg	Rabbit	Study report (1980)	OECD Guideline 402
64742-94-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1990)	EPA OTS 798.1175
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1989)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 30 mg/l	Rat	Study report (1980)	OECD Guideline 403
68603-38-3	Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)				
	oral	LD50 > 3000 mg/kg	Rat	Study report (1990)	OECD Guideline 401
1189173-42-9	Aromatic hydrocarbons, C10				
	oral	LD50 3492 mg/kg	Rat	Study report (1977)	OECD Guideline 401
	dermal	LD50 > 3160 mg/kg	Rabbit	Study report (1984)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 > 6193 mg/l	Rat	Study report (1996)	OECD Guideline 403
91-20-3	naphthalene				
	oral	LD50 710 mg/kg	Mouse	FUND. APPL. TOXICOL 4: 406-419 (1984) (1)	OECD Guideline 401
	dermal	LD50 > 16000 mg/kg	Rat	Study report (1980)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 > 77,7 mg/l	Rat	Study report (1985)	EPA TSCA

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

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.

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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.

Information on likely routes of exposure

Inhalation, oral, Skin contact, Eye contact.

11.2. Information on other hazards**Endocrine disrupting properties**

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

Other information

No information available.

SECTION 12: Ecological information**12.1. Toxicity**

Harmful to aquatic life with long lasting effects.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64742-48-9	Naphtha (petroleum), hydrotreated heavy					
	Acute fish toxicity	LL50 > 22 - < 32 mg/l	96 h	Leuciscus idus	Study report (1983)	DIN 38 412
	Acute algae toxicity	ErC50 2,56 mg/l	72 h	Raphidocelis subcapitata	Study report (2004)	OECD Guideline 201
	Acute crustacea toxicity	EL50 13 mg/l	48 h	Daphnia magna	Study report (2004)	OECD Guideline 202
	Fish toxicity	NOEC 2,6 mg/l	21 d	Daphnia magna	Study report (1999)	OECD Guideline 211
	Crustacea toxicity	NOEC 2,6 mg/l	21 d	Daphnia magna	Study report (1999)	OECD Guideline 211
104-76-7	2-ethylhexan-1-ol					
	Acute fish toxicity	LC50 17,1 mg/l	96 h	Leuciscus idus melanotus	Study report (1991)	EU Method C.1
	Acute algae toxicity	ErC50 11,5 mg/l	72 h	Desmodesmus subspicatus	Study report (1991)	EU Method C.3
	Acute crustacea toxicity	EC50 39 mg/l	48 h	Daphnia magna	Study report (1991)	EU Method C.2
64742-94-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified					
	Acute crustacea toxicity	EL50 3,2 mg/l	48 h	Daphnia magna Straus	Study report (2004)	OECD Guideline 202
68603-38-3	Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)					
	Acute fish toxicity	LC50 4,9 mg/l	96 h	Danio rerio	Study report (2001)	ISO-guideline 7346/2
	Acute crustacea toxicity	EC50 ca. 3,2 mg/l	48 h	Daphnia magna	Study report (1994)	OECD Guideline 202
	Fish toxicity	NOEC 0,32 mg/l	28 d	Oncorhynchus mykiss	Study report (1995)	OECD Guideline 204
1189173-42-9	Aromatic hydrocarbons, C10					
	Acute fish toxicity	LL50 14 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	Study report (2006)	OECD Guideline 203
	Acute algae toxicity	ErC50 11 mg/l	72 h	Pseudokirchneriella subcapitata	REACH Registration Dossier	OECD Guideline 201
	Fish toxicity	NOEC 0,441 mg/l	28 d	Oncorhynchus mykiss (Rainbow trout)	REACH Registration Dossier	
	Crustacea toxicity	NOEC 0,771 mg/l	21 d	Daphnia magna	REACH Registration Dossier	
91-20-3	naphthalene					
	Acute algae toxicity	ErC50 0,45 mg/l	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
64742-48-9	Naphtha (petroleum), hydrotreated heavy	> 2,4 - < 5,2
104-76-7	2-ethylhexan-1-ol	2,9
64742-94-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	> 3,1 - < 4,7
68603-38-3	Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)	5,45
1189173-42-9	Aromatic hydrocarbons, C10	>= 3,17
91-20-3	naphthalene	3,4

BCF

CAS No	Chemical name	BCF	Species	Source
64742-48-9	Naphtha (petroleum), hydrotreated heavy	39 - 18220		USEPA (2008)
64742-94-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	26 - 18000		USEPA (2008)
68603-38-3	Amides, C16-18 and C18-unsatd., N,N-bis(hydroxyethyl)	81		US EPA. [2012]. Esti
1189173-42-9	Aromatic hydrocarbons, C10	>= 70		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

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

130703 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); wastes of liquid fuels; other fuels (including mixtures); hazardous waste

List of Wastes Code - used product

130703 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); wastes of liquid fuels; other fuels (including mixtures); hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information
Land transport (ADR/RID)

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<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

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 2012/18/EU (SEVESO III):

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

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

Additional information

Observe in addition any national regulations!

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): 1,2,4,5,6,7,8,9,10,11,12,13,14,15,16.

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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
STOT SE: Specific target organ toxicity - single exposure
Aquatic Acute: Acute aquatic hazard
Aquatic Chronic: Chronic aquatic hazard
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
CAS: Chemical Abstracts Service
M-Factor: Multiplication Factor
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
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
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
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)
IMDG: International Maritime Code for Dangerous Goods
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
TI: Technical Instructions
DGR: Dangerous Goods Regulations
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
EG or EC: European Community
IE: Industrial Emissions
SVHC: Substance of Very High Concern

Key literature references and sources for data

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations). (v.1.2, 2013)

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Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
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.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
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.
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 data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)