

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC ATF 9600

Revision: 02.02.2026

Product code: 25036

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

HIGHTEC ATF 9600

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

ATF

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.

2.3. Other hazards

No information available.

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

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Relevant ingredients

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification (Regulation (EC) No 1272/2008)	
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified (Note L)	15 - < 30 %
	265-158-7	
	649-468-00-3	
	01-2119487077-29	
	Asp. Tox. 1; H304	
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)	15 - < 30 %
	276-738-4	
	649-483-00-5	
	01-2119474889-13	
	Asp. Tox. 1; H304	
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)	1 - < 2.5 %
	276-737-9	
	649-482-00-X	
	01-2119474878-16	
	Asp. Tox. 1; H304	
398141-87-2	Thiophene, tetrahydro, 1,1-dioxide, 3- (C9-11 branched alkyloxy) derivatives., C10-rich (international CAS 18760-44-6)	1 - < 2.5 %
	800-172-4	
	01-2119969520-35	
	Aquatic Chronic 2; H411	
124-28-7	Dimantine	0.1 - < 0.3 %
	204-694-8	
	01-2119486676-20	
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H318 H400 H410	
1218787-32-6	2,2'- (C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (international CAS 61791-44-4)	0.1 - < 0.3 %
	620-540-6	
	01-2119510877-33	
	Acute Tox. 4, Skin Corr. 1C, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H318 H400 H410	
218141-16-3	3 - ((C9-11 iso, C10-enriched) alkyloxy) propan-1-amine (international CAS 30113-45-2)	< 0.1 %
	939-485-7	
	01-2119974116-35	
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H318 H400 H410	
95-38-5	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	< 0.1 %
	202-414-9	
	01-2119777867-13	
	Acute Tox. 4, Skin Corr. 1C, Eye Dam. 1, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H318 H373 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	
64742-55-8	265-158-7	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified (Note L)	15 - < 30 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
72623-87-1	276-738-4	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)	15 - < 30 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
72623-86-0	276-737-9	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)	1 - < 2.5 %
		inhalation: LC50 = 5,53 mg/l (dusts or mists); dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
124-28-7	204-694-8	Dimantine	0.1 - < 0.3 %
		oral: LD50 = 1450 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1	
1218787-32-6	620-540-6	2,2' - (C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (international CAS 61791-44-4)	0.1 - < 0.3 %
		oral: LD50 = 1500 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1	
218141-16-3	939-485-7	3 - ((C9-11 iso, C10-enriched) alkyloxy) propan-1-amine (international CAS 30113-45-2)	< 0.1 %
		oral: ATE = 500 mg/kg Aquatic Acute 1; H400: M=100 Aquatic Chronic 1; H410: M=1	
95-38-5	202-414-9	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	< 0.1 %
		oral: LD50 = 1265 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1	

Further Information

According to EC directives or the corresponding national regulations the product does not have to be labelled.

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

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

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

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

Usual measures for fire prevention.

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.

Further information on handling

maximum process temperature: 100 °C

7.2. Conditions for safe storage, including any incompatibilities

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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, Reducing agent, Strong acid, Strong alkali.

Further information on storage conditions

Keep away from heat.

maximum storage temperature: 80 °C

7.3. Specific end use(s)

ATF

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
-	Mineral Oil pure, highly & severely refined (Inhalable)	-	5		TWA (8 h)	

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DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified (Note L)		
Worker DNEL, long-term	inhalation	systemic	2,73 mg/m ³
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)		
Worker DNEL, long-term	inhalation	systemic	2,73 mg/m ³
Worker DNEL, long-term	inhalation	local	5,58 mg/m ³
Worker DNEL, long-term	dermal	systemic	0,97 mg/kg bw/day
Consumer DNEL, long-term	inhalation	local	1,19 mg/m ³
Consumer DNEL, long-term	oral	systemic	0,74 mg/kg bw/day
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified (Note L)		
Worker DNEL, long-term	inhalation	systemic	2,73 mg/m ³
Worker DNEL, long-term	inhalation	local	5,58 mg/m ³
Worker DNEL, long-term	dermal	systemic	0,97 mg/kg bw/day
Consumer DNEL, long-term	inhalation	local	1,19 mg/m ³
Consumer DNEL, long-term	oral	systemic	0,74 mg/kg bw/day
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)		
Worker DNEL, long-term	dermal	systemic	0,97 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	2,73 mg/m ³
Worker DNEL, long-term	inhalation	local	5,58 mg/m ³
Consumer DNEL, long-term	oral	systemic	0,74 mg/kg bw/day
Consumer DNEL, long-term	inhalation	local	1,19 mg/m ³
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)		
Worker DNEL, long-term	inhalation	systemic	2,73 mg/m ³
Worker DNEL, long-term	inhalation	local	5,58 mg/m ³
Worker DNEL, long-term	dermal	systemic	0,97 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,74 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	0,74 mg/kg bw/day
398141-87-2	Thiophene, tetrahydro, 1,1-dioxide, 3- (C9-11 branched alkyloxy) derivatives., C10-rich (international CAS 18760-44-6)		
Worker DNEL, long-term	inhalation	systemic	24,7 mg/m ³
Worker DNEL, long-term	dermal	systemic	350 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	4,35 mg/m ³
Consumer DNEL, long-term	dermal	systemic	125 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	2,5 mg/kg bw/day
124-28-7	Dimantine		
Worker DNEL, long-term	inhalation	systemic	1 mg/m ³

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Worker DNEL, acute	inhalation	systemic	1 mg/m ³
Worker DNEL, long-term	inhalation	local	1 mg/m ³
Worker DNEL, acute	inhalation	local	1 mg/m ³
Consumer DNEL, long-term	oral	systemic	0,5 mg/kg bw/day
1218787-32-6	2,2'- (C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (international CAS 61791-44-4)		
Worker DNEL, long-term	inhalation	systemic	2,112 mg/m ³
Worker DNEL, long-term	dermal	systemic	0,3 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,745 mg/m ³
Consumer DNEL, long-term	dermal	systemic	0,214 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,214 mg/kg bw/day
218141-16-3	3 - ((C9-11 iso, C10-enriched) alkyloxy) propan-1-amine (international CAS 30113-45-2)		
Worker DNEL, long-term	inhalation	systemic	4,9 mg/m ³
Worker DNEL, long-term	dermal	systemic	0,7 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,74 mg/m ³
Consumer DNEL, long-term	dermal	systemic	0,25 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,25 mg/kg bw/day
95-38-5	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol		
Worker DNEL, long-term	inhalation	systemic	0,46 mg/m ³
Worker DNEL, acute	inhalation	systemic	14 mg/m ³
Worker DNEL, long-term	dermal	systemic	0,06 mg/kg bw/day
Worker DNEL, acute	dermal	systemic	2 mg/kg bw/day

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PNEC values

CAS No	Substance	Value
Environmental compartment		
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)	
Secondary poisoning		9,33 mg/kg
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified (Note L)	
Secondary poisoning		9,33 mg/kg
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)	
Secondary poisoning		9,33 mg/kg
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)	
Secondary poisoning		9,33 mg/kg
398141-87-2	Thiophene, tetrahydro, 1,1-dioxide, 3- (C9-11 branched alkyloxy) derivatives., C10-rich (international CAS 18760-44-6)	
Freshwater		0,0024 mg/l
Freshwater (intermittent releases)		0,024 mg/l
Marine water		0,00033 mg/l
Freshwater sediment		0,433 mg/kg
Marine sediment		0,0596 mg/kg
Secondary poisoning		111,11 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		0,0853 mg/kg
124-28-7	Dimantine	
Freshwater		0,00026 mg/l
Freshwater (intermittent releases)		0,00026 mg/l
Marine water		0,00003 mg/l
Freshwater sediment		1,25 mg/kg
Marine sediment		0,125 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,13 mg/l
Soil		1 mg/kg
1218787-32-6	2,2'- (C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (international CAS 61791-44-4)	
Freshwater		0,000214 mg/l
Freshwater (intermittent releases)		0,00087 mg/l
Marine water		0,000021 mg/l
Freshwater sediment		1,692 mg/kg
Marine sediment		0,169 mg/kg
Secondary poisoning		2 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,5 mg/l
Soil		5 mg/kg
218141-16-3	3 - ((C9-11 iso, C10-enriched) alkyloxy) propan-1-amine (international CAS 30113-45-2)	
Freshwater		0,00084 mg/l
Freshwater (intermittent releases)		0,000827 mg/l
Marine water		0,000084 mg/l
Freshwater sediment		3,19 mg/kg

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Marine sediment	0,32 mg/kg
Micro-organisms in sewage treatment plants (STP)	1,3 mg/l
Soil	1,59 mg/kg
95-38-5	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol
Freshwater	0 mg/l
Freshwater (intermittent releases)	0 mg/l
Marine water	0 mg/l
Freshwater sediment	0,376 mg/kg
Marine sediment	0,038 mg/kg
Micro-organisms in sewage treatment plants (STP)	0,26 mg/l
Soil	0,075 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 protection/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 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

No information available.

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:	red
Odour:	characteristic
Odour threshold:	not determined

Melting point/freezing point:

Test method
not determined

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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 ISO 2592
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value:	not applicable DIN 51369
Viscosity / kinematic: (at 40 °C)	~ 29,5 mm ² /s DIN 51562
Water solubility: (at 20 °C)	practically insoluble
Solubility in other solvents Soluble in hydrocarbons (mineral oil.)	
Partition coefficient n-octanol/water:	not determined
Vapour pressure: (at 20 °C)	<0,1 hPa calculated.
Density (at 15 °C):	~ 0,847 g/cm ³ DIN 51757
Relative vapour density:	not determined
Particle characteristics:	not relevant

9.2. Other information
Other safety characteristics

Pour point: ~ -39 °C
DIN ISO 3016

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.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Oxidizing agent, Reducing agent, Strong acid, Strong alkali.

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) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified (Note L)				
	oral	LD50 > 5000 mg/kg	Rat	REACH Dossier	OECD 401
	dermal	LD50 > 5000 mg/kg	Rabbit	REACH Dossier	OECD 402
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)				
	oral	LD50 > 5000 mg/kg	Rat	ECHA Dossier	OECD Guideline 401
	dermal	LD50 > 5000 mg/kg	Rabbit	ECHA Dossier)	OECD Guideline 402
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)				
	oral	LD50 > 5000 mg/kg	Rat	REACH Dossier	OECD 401
	dermal	LD50 > 5000 mg/kg	Rabbit	REACH Dossier	OECD 402
	inhalation (4 h) dust/mist	LC50 5,53 mg/l	Rabbit	echa readacross	OECD
124-28-7	Dimantine				
	oral	LD50 1450 mg/kg	Rat	ECHA	EU Method B.1
1218787-32-6	2,2'- (C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (international CAS 61791-44-4)				
	oral	LD50 1500 mg/kg	Rat	ECHA	OECD Guideline 425
218141-16-3	3 - ((C9-11 iso, C10-enriched) alkyloxy) propan-1-amine (international CAS 30113-45-2)				
	oral	ATE 500 mg/kg			
95-38-5	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol				
	oral	LD50 1265 mg/kg	Rat	ECHA	OECD Guideline 401

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: 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

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

Reproductive toxicity: 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.

Information on likely routes of exposure

Inhalation, oral, Skin contact, Eye contact.

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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
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified (Note L)					
	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 > 1000 mg/l	21 d	Daphnia magna (Big water flea)	REACH Dossier	OECD 211
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)					
	Acute fish toxicity	LL50 > 100 mg/l	96 h	Pimephales promelas	ECHA Dossier	OECD Guideline 203
	Fish toxicity	NOEC >= 1000 mg/l	14 d	Oncorhynchus mykiss	ECHA Dossier	
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)					
	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
	Algae toxicity	NOEC >= 100 mg/l	3 d	Pseudokirchneriella subcapitata	REACH Dossier	OECD 201
	Crustacea toxicity	NOEC > 10 mg/l	21 d	Daphnia magna (Big water flea)	REACH Dossier	OECD 211
398141-87-2	Thiophene, tetrahydro, 1,1-dioxide, 3- (C9-11 branched alkyloxy) derivatives., C10-rich (international CAS 18760-44-6)					
	Acute fish toxicity	LC50 3,3 mg/l	96 h	Cyprinodon variegatus	REACH Registration Dossier	
	Acute crustacea toxicity	EC50 4,6 mg/l	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202
124-28-7	Dimantine					
	Acute algae toxicity	ErC50 0,0268 mg/l	72 h	Desmodesmus subspicatus	ECHA	OECD Guideline 201
	Crustacea toxicity	NOEC 0,036 mg/l	21 d	Daphnia magna	ECHA	OECD Guideline 211
1218787-32-6	2,2'- (C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (international CAS 61791-44-4)					
	Acute algae toxicity	ErC50 0,0867 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA	OECD Guideline 201
	Acute bacteria toxicity	EC50 167 mg/l ()	3 h	activated sludge of a predominantly domestic sewage	ECHA	OECD Guideline 209
95-38-5	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol					

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	Acute algae toxicity	ErC50 mg/l	0,03	72 h	Desmodesmus subspicatus	REACH Registration Dossier	OECD Guideline 201
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12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified (Note L)			
	OECD 301B	31 %	28	REACH Dossier
	Not easily bio-degradable (according to OECD-criteria).			
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified (Note L)			
	OECD 301F	31 %	28	REACH Dossier
	Not easily bio-degradable (according to OECD-criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
398141-87-2	Thiophene, tetrahydro, 1,1-dioxide, 3- (C9-11 branched alkyloxy) derivatives., C10-rich (international CAS 18760-44-6)	4,11
124-28-7	Dimantine	88
1218787-32-6	2,2'- (C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (international CAS 61791-44-4)	3,6
218141-16-3	3 - ((C9-11 iso, C10-enriched) alkyloxy) propan-1-amine (international CAS 30113-45-2)	ca. -0,34
95-38-5	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	7,51

BCF

CAS No	Chemical name	BCF	Species	Source
398141-87-2	Thiophene, tetrahydro, 1,1-dioxide, 3- (C9-11 branched alkyloxy) derivatives., C10-rich (international CAS 18760-44-6)	31	Cyprinus carpio	REACH Registration D
1218787-32-6	2,2'- (C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (international CAS 61791-44-4)	20,2		QSAR result (2010)
95-38-5	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	1890	fish	REACH Registration D

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.

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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 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

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

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Abbreviations and acronyms

Acute Tox. 4: Acute toxicity, hazard category 4
Asp. Tox. 1: Aspiration hazard, hazard category 1
Skin Corr. 1B: Skin corrosion, sub-category 1B
Skin Corr. 1C: Skin corrosion, sub-category 1C
Eye Dam. 1: Serious eye damage, hazard category 1
STOT RE 2: Specific target organ toxicity - repeated exposure, hazard category 2
Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3
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).

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
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.
H318	Causes serious eye damage.
H373	May cause 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.

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.)