

HIGHTEC TOPGEAR SYNTH E SAE 75W

Revision date: 06.04.2023

Product code: 25027

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

1.1. Product identifier

HIGHTEC TOPGEAR SYNTH E SAE 75W

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

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

Skin Sens. 1; H317
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

Reaction mass of 1H-Benzotriazole-1-methanamine, N, N-bis (2-ethylhexyl) -6-methyl- and 2H-Benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -5-methyl- and N, N-bis (2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylamine and 2H-benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -4-methyl- and N, N-bis (2-ethylhexyl) -5-methyl-1H-benzotriazole-1-methylamine Amines, C10-14-tert-alkyl

Signal word: Warning

Pictograms:



Hazard statements

H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

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

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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
Relevant ingredients

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification (Regulation (EC) No 1272/2008)	
68649-12-7	1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	60 - < 100 %
	01-2119527646-33	
	Asp. Tox. 1; H304	
163149-28-8	1-Dodecene, polymer with 1-decene and 1-octene, hydrogenated	60 - < 100 %
	605-315-2	
	01-2119543695-30	
	Asp. Tox. 1; H304	
151006-60-9	1-Dodecene, polymer with 1-decene, hydrogenated	60 - < 100 %
	604-767-8	
	01-2119523580-47	
	Asp. Tox. 1; H304	
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified	15 - < 30 %
	276-738-4	
	649-483-00-5	
	01-2119474889-13	
	Asp. Tox. 1; H304	
	Reaction mass of 1H-Benzotriazole-1-methanamine, N, N-bis (2-ethylhexyl) -6-methyl- and 2H-Benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -5-methyl- and N, N-bis (2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylamine and 2H-benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -4-methyl- and N, N-bis (2-ethylhexyl) -5-methyl-1H-benzotriazole-1-methylamine	0.1 - < 0.3 %
	939-700-4	
	01-2119982395-25	
	Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 2; H315 H317 H400 H411	
	Amines, C10-14-tert-alkyl	0.1 - < 0.3 %
	701-175-2	
	01-2119456798-18	
	Acute Tox. 2, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H302 H314 H318 H317 H400 H410	
1213789-63-9	C16-18-(even numbered, saturated and unsaturated)-alkylamines	0.1 - < 0.3 %
	627-034-4	
	01-2119473797-19	
	Acute Tox. 4, Skin Corr. 1B, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H335 H373 H304 H400 H410	
25307-17-9	2,2'-(9-Octadecenylimino)bisethanol	< 0.1 %
	246-807-3	
	01-2119510876-35	
	Acute Tox. 4, Skin Corr. 1, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H318 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	
68649-12-7		1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	60 - < 100 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg	
72623-87-1	276-738-4	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified	15 - < 30 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
	939-700-4	Reaction mass of 1H-Benzotriazole-1-methanamine, N, N-bis (2-ethylhexyl) -6-methyl- and 2H-Benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -5-methyl- and N, N-bis (2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylamine and 2H-benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -4-methyl- and N, N-bis (2-ethylhexyl) -5-methyl-1H-benzotriazole-1-methylamine	0.1 - < 0.3 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 3313 mg/kg Aquatic Acute 1; H400: M=1	
	701-175-2	Amines, C10-14-tert-alkyl	0.1 - < 0.3 %
		inhalation: LC50 = 1,19 mg/l (vapours); dermal: LD50 = 251 mg/kg; oral: LD50 = 552 mg/kg	
1213789-63-9	627-034-4	C16-18-(even numbered, saturated and unsaturated)-alkylamines	0.1 - < 0.3 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 1689 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=10	
25307-17-9	246-807-3	2,2'-(9-Octadecenylimino)bisethanol	< 0.1 %
		oral: LD50 = 1260 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1	

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

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

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 eyes

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

After ingestion

Rinse mouth immediately and drink 1 glass of water.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures
5.1. Extinguishing media
Suitable extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

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Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Avoid contact with skin, eyes and clothes. Do not breathe mist/vapours/spray.

For non-emergency personnel

Provide adequate ventilation. Use personal protection equipment. Remove persons to safety.

For emergency responders

Wear personal protection equipment (refer to section 8).

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

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

For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Other information

Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****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

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.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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DNEL/DMEL values

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DNEL type				
	Reaction mass of 1H-Benzotriazole-1-methanamine, N, N-bis (2-ethylhexyl) -6-methyl- and 2H-Benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -5-methyl- and N, N-bis (2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylamine and 2H-benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -4-methyl- and N, N-bis (2-ethylhexyl) -5-methyl-1H-benzotriazole-1-methylamine			
Worker DNEL, long-term		inhalation	systemic	1,3 mg/m ³
Worker DNEL, long-term		dermal	systemic	0,4 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,3 mg/m ³
Consumer DNEL, long-term		dermal	systemic	0,2 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,2 mg/kg bw/day
	Amines, C10-14-tert-alkyl			
Worker DNEL, long-term		inhalation	systemic	12,5 mg/m ³
Worker DNEL, long-term		inhalation	local	12,1 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	2,5 mg/m ³
Consumer DNEL, long-term		inhalation	local	1,2 mg/m ³
Consumer DNEL, long-term		oral	systemic	0,35 mg/kg bw/day
1213789-63-9	C16-18-(even numbered, saturated and unsaturated)-alkylamines			
Worker DNEL, long-term		inhalation	systemic	0,38 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		inhalation	systemic	0,035 mg/m ³
Consumer DNEL, long-term		oral	systemic	0,04 mg/kg bw/day
25307-17-9	2,2'-(9-Octadecenylimino)bisethanol			
Worker DNEL, long-term		inhalation	systemic	2,96 mg/m ³
Worker DNEL, long-term		dermal	systemic	0,42 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,522 mg/m ³
Consumer DNEL, long-term		dermal	systemic	0,15 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,15 mg/kg bw/day

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PNEC values

CAS No	Substance	Value
Environmental compartment		Value
	Reaction mass of 1H-Benzotriazole-1-methanamine, N, N-bis (2-ethylhexyl) -6-methyl- and 2H-Benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -5-methyl- and N, N-bis (2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylamine and 2H-benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -4-methyl- and N, N-bis (2-ethylhexyl) -5-methyl-1H-benzotriazole-1-methylamine	
Freshwater		0,001 mg/l
Freshwater (intermittent releases)		0,01 mg/l
Marine water		0 mg/l
Micro-organisms in sewage treatment plants (STP)		0,69 mg/l
	Amines, C10-14-tert-alkyl	
Freshwater		0,001 mg/l
Freshwater (intermittent releases)		0,004 mg/l
Marine water		0 mg/l
Freshwater sediment		2,14 mg/kg
Marine sediment		0,214 mg/kg
Secondary poisoning		4,71 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,635 mg/l
Soil		0,428 mg/kg
1213789-63-9	C16-18-(even numbered, saturated and unsaturated)-alkylamines	
Freshwater		0,00026 mg/l
Freshwater (intermittent releases)		0,0016 mg/l
Marine water		0,000026 mg/l
Freshwater sediment		3,76 mg/kg
Marine sediment		0,376 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,55 mg/l
Soil		10 mg/kg
25307-17-9	2,2'-(9-Octadecenyylimino)bisethanol	
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

8.2. Exposure controls



Individual protection measures, such as personal protective equipment

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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:	yellow	
Odour:	characteristic	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not determined
Flammability:		Not readily combustible.
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		>220 °C
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value:		not determined
Viscosity / kinematic: (at 100 °C)		~ 5,3 mm ² /s
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.	
Solubility in other solvents	not determined	
Partition coefficient n-octanol/water:		not determined
Vapour pressure:		not determined
Density (at 15 °C):		~ 0,84 g/cm ³
Relative vapour density:		not determined
Particle characteristics:		not relevant

9.2. Other information

Other safety characteristics

Pour point: ~ -48 °C

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

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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

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) 224810 mg/kg; ATE (inhalation vapour) 1066 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68649-12-7	1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1994)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1995)	OECD Guideline 402
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1982)	OECD Guideline 401
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1982)	OECD Guideline 402
	Reaction mass of 1H-Benzotriazole-1-methanamine, N, N-bis (2-ethylhexyl) -6-methyl- and 2H-Benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -5-methyl- and N, N-bis (2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylamine and 2H-benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -4-methyl- and N, N-bis (2-ethylhexyl) -5-methyl-1H-benzotriazole-1-methylamine				
	oral	LD50 3313 mg/kg	Rat	Study report (1981)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	Study report (2012)	OECD Guideline 402
	Amines, C10-14-tert-alkyl				
	oral	LD50 552 mg/kg	Mouse	Study report (2000)	OECD Guideline 401
	dermal	LD50 251 mg/kg	Rat	Study report (1993)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 1,19 mg/l	Rat	Study report (2001)	OECD Guideline 403
1213789-63-9	C16-18-(even numbered, saturated and unsaturated)-alkylamines				
	oral	LD50 1689 mg/kg	Rat	Study report (1993)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1985)	OECD Guideline 402
25307-17-9	2,2'-(9-Octadecenylimino)bisethanol				
	oral	LD50 1260 mg/kg	Rat	Study report (1987)	OECD Guideline 401

Irritation and corrosivity

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

Sensitising effects

May cause an allergic skin reaction. (Reaction mass of 1H-Benzotriazole-1-methanamine, N, N-bis (2-ethylhexyl) -6-methyl- and 2H-Benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -5-methyl- and N, N-bis (2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylamine and 2H-benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -4-methyl- and N, N-bis (2-ethylhexyl) -5-methyl-1H-benzotriazole-1-methylamine; Amines, C10-14-tert-alkyl)

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.

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Aspiration hazard

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

Additional information on tests

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

11.2. Information on other hazards
Other information

No information available.

SECTION 12: Ecological information
12.1. Toxicity

Harmful to aquatic life with long lasting effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
68649-12-7	1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated					
	Acute fish toxicity	LL50 > 1000 mg/l	96 h	Oncorhynchus mykiss	Study report (1995)	OECD Guideline 203
	Acute algae toxicity	ErC50 > 1000 mg/l	96 h	Raphidocelis subcapitata	Study report (1995)	OECD Guideline 201
	Acute crustacea toxicity	EL50 > 1000 mg/l	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified					
	Acute fish toxicity	LL50 > 100 mg/l	96 h	Pimephales promelas	Study report (1995)	OECD Guideline 203
	Fish toxicity	NOEC >= 1000 mg/l	14 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a
	Amines, C10-14-tert-alkyl					
	Acute algae toxicity	ErC50 0,44 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (1994)	OECD Guideline 201
	Fish toxicity	NOEC 0,078 mg/l	96 d	Oncorhynchus mykiss	Study report (2002)	OECD Guideline 210
25307-17-9	2,2'-(9-Octadecenylimino)bisethanol					
	Acute algae toxicity	ErC50 0,0867 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (2010)	OECD Guideline 201

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68649-12-7	1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	> 6,5
	Reaction mass of 1H-Benzotriazole-1-methanamine, N, N-bis (2-ethylhexyl) -6-methyl- and 2H-Benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -5-methyl- and N, N-bis (2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylamine and 2H-benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -4-methyl- and N, N-bis (2-ethylhexyl) -5-methyl-1H-benzotriazole-1-methylamine	6,56
	Amines, C10-14-tert-alkyl	2,9
1213789-63-9	C16-18-(even numbered, saturated and unsaturated)-alkylamines	5,16
25307-17-9	2,2'-(9-Octadecenylimino)bisethanol	3,4

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BCF

CAS No	Chemical name	BCF	Species	Source
	Reaction mass of 1H-Benzotriazole-1-methanamine, N, N-bis (2-ethylhexyl) -6-methyl- and 2H-Benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -5-methyl- and N, N-bis (2-ethylhexyl) -4-methyl-1H-benzotriazole-1-methylam ine and 2H-benzotriazole-2-methanamine, N, N-bis (2-ethylhexyl) -4-methyl- and N, N-bis (2-ethylhexyl) -5-methyl-1H-benzotriazole-1-methylam ine	1676		EPIWIN (2011)
1213789-63-9	C16-18-(even numbered, saturated and unsaturated)-alkylamines	173		Environmental Toxico
25307-17-9	2,2'-(9-Octadecenylimino)bisethanol	1,37		QSAR result (2010)

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.

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)

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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.

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 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

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

Changes

This data sheet contains changes from the previous version in section(s): 1,2,9,12,16.

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Abbreviations and acronyms

Acute Tox: Acute toxicity
 Asp. Tox: Aspiration hazard
 Skin Corr: Skin corrosion
 Skin Irrit: Skin irritation
 Eye Dam: Eye damage
 Skin Sens: Skin sensitisation
 STOT SE: Specific target organ toxicity - single exposure
 STOT RE: Specific target organ toxicity - repeated exposure
 Aquatic Acute: Acute aquatic hazard
 Aquatic Chronic: Chronic aquatic hazard
 ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 CLP: Classification, labelling and Packaging
 REACH: Registration, Evaluation and Authorization of Chemicals
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
 UN: United Nations
 DNEL: Derived No Effect Level
 DMEL: Derived Minimal Effect Level
 PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%
 EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 RID: Regulations concerning the international carriage of dangerous goods by rail
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation
 intérieures)
 EmS: Emergency Schedules
 MFAG: Medical First Aid Guide
 ICAO: International Civil Aviation Organization
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 SVHC: Substance of Very High Concern
 For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety
 assessment, chapter R.20 (Table of terms and abbreviations).

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

Classification	Classification procedure
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

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H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
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 data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)