

EU safety data sheet

Trade name: OKTAN Premium 3000

Product no.: 3003

Current version : 1.0.0, issued: 20.03.2021

Replaced version: -, issued: -

Region: GB

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

1.1 Product identifier

Trade name

OKTAN Premium 3000

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

Relevant identified uses of the substance or mixture

Additive for mineral oil products

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Oktan Mineraloel-Vertrieb GmbH

Alsterarkaden 27

20354 Hamburg

Telephone no. +49 (0) 40 210 918- 255

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 2; H411

Asp. Tox. 1; H304

Eye Irrit. 2; H319

Repr. 1B; H360

Skin Irrit. 2; H315

Skin Sens. 1; H317

STOT RE 2; H373

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS07



GHS08



GHS09

Signal word

Danger

Hazardous component(s) to be indicated on label:

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

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Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)
 N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine
 Naphta (Petroleum), hydrodesulfurized heavy
 alpha,alpha'-propylenedinitrilodi-o-cresol

Hazard statement(s)

H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H360 May damage fertility or the unborn child
 H373 May cause damage to organs through prolonged or repeated exposure
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P201 Obtain special instructions before use.
 P260 Do not breathe dust/fume/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/eye protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P331 Do NOT induce vomiting.
 P391 Collect spillage.

Supplemental label elements

"Restricted to professional users"

2.3 Other hazards

PBT assessment
 No data available.
 vPvB assessment
 No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)			
	- 925-653-7 - 01-2119458869-15	EUH066 Asp. Tox. 1; H304 Aquatic Chronic 3; H412	>= 25.00 - < 50.00	wt%
2	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)			
	- 920-360-0 - 01-2119448343-41	Asp. Tox. 1; H304 EUH066	>= 25.00 - < 50.00	wt%
3	2-ethylhexan-1-ol			
	104-76-7 203-234-3 - 01-2119487289-20	Eye Irrit. 2; H319 Skin Irrit. 2; H315 STOT SE 3; H335 Acute Tox. 4; H332	>= 10.00 - < 25.00	wt%
4	2,6-di-tert-butylphenol			
	128-39-2	Aquatic Acute 1; H400	>= 5.00 - < 10.00	wt%

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	204-884-0 - 01-2119490822-33	Aquatic Chronic 1; H410 Skin Irrit. 2; H315		
5	bis(nonylphenyl)amine			
	36878-20-3 253-249-4 - 01-2119488911-28	Aquatic Chronic 4; H413	< 5.00	wt%
6	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine			
	91273-04-0 401-280-0 613-072-00-9 01-2119930450-49	Aquatic Chronic 2; H411 Skin Corr. 1B; H314 Skin Sens. 1; H317 Eye Dam. 1; H318	< 2.50	wt%
7	Naphta (Petroleum), hydrodesulfurized heavy			
	64742-82-1 265-185-4 649-330-00-2 -	Asp. Tox. 1; H304 STOT RE 1; H372 Aquatic Chronic 3; H412	< 2.50	wt%
8	hydrocarbons, C10, aromatics, <1% naphthalene			
	- 918-811-1 - -	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 EUH066 STOT SE 3; H336	< 2.50	wt%
9	alpha,alpha'-propylenedinitrilodi-o-cresol			
	94-91-7 202-374-2 - 01-2119958970-25	Acute Tox. 4; H302 Aquatic Chronic 3; H412 Skin Sens. 1; H317 Repr. 1B; H360FD	< 2.50	wt%
10	naphthalene			
	91-20-3 202-049-5 601-052-00-2 -	Acute Tox. 4*; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Carc. 2; H351	< 0.50	wt%
11	diphenylamine			
	122-39-4 204-539-4 612-026-00-5 -	Acute Tox. 3*; H301 Acute Tox. 3*; H311 Acute Tox. 3*; H331 Eye Irrit. 2; H319 STOT RE 2*; H373** Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 0.50	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(* , ** , *** , ****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

No	Route, target organ, concrete effect
7	H372 -; central nervous system; -

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
9	1350 mg/kg bodyweight		
10	533 mg/kg bodyweight		

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position.

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After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. Seek medical advice immediately.

After skin contact

In case of contact with skin wash off immediately with soap and water. Seek medical advice immediately.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Do not induce vomiting - aspiration hazard. Rinse the mouth thoroughly with water. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down). Call a doctor immediately and show label or packaging.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet; Foam; Carbon dioxide; Extinguishing powder

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon dioxide (CO₂); Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away from ignition sources.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product

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must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Recommended storage temperature

Value < 50 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container. Protect from heat and direct sunlight.

Incompatible products

Do not store together with: Acids; Alkalies; oxidizing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	2-ethylhexan-1-ol	104-76-7	203-234-3
	2017/164/EU		
	2-ethylhexan-1-ol		
	WEL long-term (8-hr TWA reference period)	5.4	mg/m ³ 1 ppm
	List of approved workplace exposure limits (WELs) / EH40		
	2-ethylhexan-1-ol		
	WEL long-term (8-hr TWA reference period)	5.4	mg/m ³ 2 ppm
2	naphthalene	91-20-3	202-049-5
	91/322/EWG		
	Naphtalene		
	WEL long-term (8-hr TWA reference period)	50	mg/m ³ 10 ppm
3	diphenylamine	122-39-4	204-539-4
	List of approved workplace exposure limits (WELs) / EH40		
	Diphenylamine		
	WEL short-term (15 min reference period)	20	mg/m ³
	WEL long-term (8-hr TWA reference period)	10	mg/m ³

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	2-ethylhexan-1-ol			104-76-7 203-234-3	
	dermal	Long term (chronic)	systemic	23	mg/kg/day
	inhalative	Short term (acut)	local	106.4	mg/m ³
	inhalative	Long term (chronic)	systemic	53.2	mg/m ³
2	2,6-di-tert-butylphenol			128-39-2 204-884-0	

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	dermal	Long term (chronic)	systemic	11.25	mg/kg/day
	inhalative	Long term (chronic)	systemic	70.61	mg/m ³
3	bis(nonylphenyl)amine			36878-20-3 253-249-4	
	dermal	Long term (chronic)	systemic	0.62	mg/kg/day
	inhalative	Long term (chronic)	systemic	4.37	mg/m ³
4	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine			91273-04-0 401-280-0	
	dermal	Long term (chronic)	systemic	0.5	mg/kg/day
	inhalative	Long term (chronic)	systemic	1.76	mg/m ³
5	alpha, alpha'-propylenedinitrilodi-o-cresol			94-91-7 202-374-2	
	dermal	Long term (chronic)	systemic	0.88	mg/kg/day
	inhalative	Long term (chronic)	systemic	3.11	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	2-ethylhexan-1-ol			104-76-7 203-234-3	
	oral	Long term (chronic)	systemic	1.1	mg/kg/day
	dermal	Long term (chronic)	systemic	11.4	mg/kg/day
	inhalative	Long term (chronic)	systemic	2.3	mg/m ³
	inhalative	Short term (acute)	local	53.2	mg/m ³
2	2,6-di-tert-butylphenol			128-39-2 204-884-0	
	oral	Long term (chronic)	systemic	6.75	mg/kg/day
	inhalative	Long term (chronic)	systemic	20.90	mg/m ³
3	bis(nonylphenyl)amine			36878-20-3 253-249-4	
	oral	Long term (chronic)	systemic	0.31	mg/kg
	dermal	Long term (chronic)	systemic	0.31	mg/kg
	inhalative	Long term (chronic)	systemic	1.09	mg/m ³
4	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine			91273-04-0 401-280-0	
	oral	Long term (chronic)	systemic	0.25	mg/kg/day
	dermal	Long term (chronic)	systemic	0.25	mg/kg/day
	inhalative	Long term (chronic)	systemic	0.43	mg/m ³
5	alpha, alpha'-propylenedinitrilodi-o-cresol			94-91-7 202-374-2	
	oral	Long term (chronic)	systemic	0.22	mg/kg/day
	dermal	Long term (chronic)	systemic	0.44	mg/kg/day
	inhalative	Long term (chronic)	systemic	0.76	mg/m ³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	2-ethylhexan-1-ol		104-76-7 203-234-3	
	water	fresh water	0.017	mg/L
	water	marine water	0.0017	mg/L
	water	Aqua intermittent	0.17	mg/L
	water	fresh water sediment	0.28	mg/kg
	with reference to: dry weight			
	water	marine water sediment	0.028	mg/kg
	with reference to: dry weight			
	soil	-	0.047	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	10	mg/L
	secondary poisoning	-	55	mg/kg

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	with reference to: food			
2	2,6-di-tert-butylphenol		128-39-2 204-884-0	
	water	fresh water	0.001	mg/L
	water	Aqua intermittent	0.004	mg/L
	water	fresh water sediment	0.317	mg/kg dry weight
	water	marine water	0	mg/L
	water	marine water sediment	0.032	mg/kg dry weight
	soil	-	0.697	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
	secondary poisoning	-	60	mg/kg food
3	bis(nonylphenyl)amine		36878-20-3 253-249-4	
	water	fresh water	0.10	mg/L
	water	marine water	0.01	mg/L
	water	fresh water sediment	132000.00	mg/kg
	with reference to: dry weight			
	water	marine water sediment	13200.00	mg/kg
	with reference to: dry weight			
	water	Aqua intermittent	1.00	mg/L
	soil	-	263000.00	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	1.00	mg/L
4	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine		91273-04-0 401-280-0	
	water	fresh water	0.001	mg/L
	water	marine water	0	mg/L
	water	Aqua intermittent	0.01	mg/L
	water	fresh water sediment	0.567	mg/kg dry weight
	water	marine water sediment	0.057	mg/kg dry weight
	soil	-	0.2	mg/kg dry weight
	sewage treatment plant	-	1	mg/L
5	alpha,alpha'-propylenedinitrildi-o-cresol		94-91-7 202-374-2	
	water	fresh water	0.001	mg/L
	water	fresh water sediment	59.4	mg/kg dry weight
	water	marine water sediment	5.67	mg/kg dry weight
	soil	-	11.8	mg/kg dry weight
	sewage treatment plant	-	0.5	mg/L

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. combination filter

Respirator EN14387-A

Eye / face protection

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Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material In case of short-term contact / splash protection: PVC
Material thickness 0.8 mm
Breakthrough time 4 h

Other

Normal chemical work clothing.

Appropriate Material cotton

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation	
liquid	
Form/Colour	
liquid	
Various, depending on coloration	
Odour	
No data available	
pH value	
No data available	
Boiling point / boiling range	
Value	> 160 °C
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
Value	> 61 °C
Ignition temperature	
No data available	
Flammability	
No data available	
Lower explosion limit	
No data available	
Upper explosion limit	
No data available	
Vapour pressure	
No data available	
Relative vapour density	
No data available	
Relative density	
No data available	

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Density			
No data available			
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	2-ethylhexan-1-ol	104-76-7	203-234-3
log Pow		2.9	
Reference temperature		25	°C
Method	OECD 117		
Source	ECHA		
2	bis(nonylphenyl)amine	36878-20-3	253-249-4
log Pow	>	7.6	
Source	ECHA		
Viscosity			
Value	<	20.5	mm ² /s
Reference temperature		40	°C
Type	kinematic		
Particle characteristics			
No data available			

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity (result of the ATE calculation for the mixture)			
No	Product Name		
1	OKTAN Premium 3000		
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).		
Acute oral toxicity			
No	Substance name	CAS no.	EC no.

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1	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	-	920-360-0
LD50	>	4150	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		
2	2-ethylhexan-1-ol	104-76-7	203-234-3
LD50	>	2047	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	2,6-di-tert-butylphenol	128-39-2	204-884-0
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
4	bis(nonylphenyl)amine	36878-20-3	253-249-4
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
5	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine	91273-04-0	401-280-0
LD50	>	2238	mg/kg bodyweight
Species	rat (female)		
Method	OECD 401		
Source	ECHA		
6	alpha,alpha'-propylenedinitrilodi-o-cresol	94-91-7	202-374-2
LD50	appr.	1350	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are met.		
7	naphthalene	91-20-3	202-049-5
LD50	>	533	mg/kg bodyweight
Species	rat		
Source	ECHA		

Acute dermal toxicity (result of the ATE calculation for the mixture)

No	Product Name
1	OKTAN Premium 3000
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE dermal > 2000 mg/kg).

Acute dermal toxicity

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	-	920-360-0
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA / Read across		
2	2-ethylhexan-1-ol	104-76-7	203-234-3
LD50	>	3000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		

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Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.
3	bis(nonylphenyl)amine 36878-20-3 253-249-4
LD50	> 2000 mg/kg bodyweight
Species	rabbit
Method	OECD 402
Source	ECHA
4	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine 91273-04-0 401-280-0
LD50	> 2000 mg/kg bodyweight
Species	rat
Method	OECD 402
Source	ECHA
5	alpha,alpha'-propylenedinitrilodi-o-cresol 94-91-7 202-374-2
LD50	> 2000 mg/kg bodyweight
Species	rabbit
Method	OECD 402
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Acute inhalational toxicity (result of the ATE calculation for the mixture)

No	Product Name
1	OKTAN Premium 3000
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).

Acute inhalational toxicity

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	-	920-360-0
LC50	>	5.28	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA / Read across		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	2-ethylhexan-1-ol	104-76-7	203-234-3
LC50	1.1	- 4.3	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are met.		

Skin corrosion/irritation

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	-	920-360-0
Species	rabbit		
Method	OECD 404		
Source	ECHA / Read across		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		
2	2-ethylhexan-1-ol	104-76-7	203-234-3
Species	rabbit		
Method	OECD 404		

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Source	ECHA
Evaluation	irritant
Evaluation/classification	Based on available data, the classification criteria are met.
3	2,6-di-tert-butylphenol 128-39-2 204-884-0
Species	rabbit
Method	OECD 404
Source	ECHA
Evaluation	irritant
Evaluation/classification	Based on available data, the classification criteria are met.
4	bis(nonylphenyl)amine 36878-20-3 253-249-4
Duration of exposure	4 h
Species	rabbit
Method	OECD 404
Source	ECHA
Evaluation	low-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.
5	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine 91273-04-0 401-280-0
Species	rabbit
Method	OECD 404
Source	ECHA
Evaluation	corrosive
6	alpha,alpha'-propylenedinitrilodi-o-cresol 94-91-7 202-374-2
Species	rabbit
Method	OECD 404
Source	ECHA
Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	
No	Substance name CAS no. EC no.
1	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %) - 920-360-0
Species	rabbit
Method	OECD 405
Source	ECHA / Read across
Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.
2	2-ethylhexan-1-ol 104-76-7 203-234-3
Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation	Irritating to eyes
Evaluation/classification	Based on available data, the classification criteria are met.
3	2,6-di-tert-butylphenol 128-39-2 204-884-0
Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.
4	bis(nonylphenyl)amine 36878-20-3 253-249-4
Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation	non-irritant
5	alpha,alpha'-propylenedinitrilodi-o-cresol 94-91-7 202-374-2
Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.

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Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	-	920-360-0
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA / Read across	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	2,6-di-tert-butylphenol	128-39-2	204-884-0
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	bis(nonylphenyl)amine	36878-20-3	253-249-4
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	
4	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine	91273-04-0	401-280-0
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		sensitizing	
5	alpha,alpha'-propylenedinitrilodi-o-cresol	94-91-7	202-374-2
Route of exposure		Skin	
Species		guinea pig	
Source		ECHA	
Evaluation		sensitizing	
Evaluation/classification		Based on available data, the classification criteria are met.	
Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	-	920-360-0
Source		ECHA / Read across	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine	91273-04-0	401-280-0
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	-	920-360-0
Source		ECHA / Read across	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	2,6-di-tert-butylphenol	128-39-2	204-884-0
Species		rat	
Method		OECD 421	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	alpha,alpha'-propylenedinitrilodi-o-cresol	94-91-7	202-374-2

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Route of exposure	oral
Species	rat
Method	OECD 422
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are met.

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	-	920-360-0
Source		ECHA / Read across	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	2,6-di-tert-butylphenol	128-39-2	204-884-0
Species		Salmonella typhimurium	
Method		Ames-Test	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

STOT - single exposure	
No data available	

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	-	920-360-0
Source		ECHA / Read across	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Aspiration hazard	
No data available	

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	2-ethylhexan-1-ol	104-76-7	203-234-3
LC50		17.1	mg/l
Duration of exposure		96	h
Species		Leuciscus idus melanotus	
Source		ECHA	
2	2,6-di-tert-butylphenol	128-39-2	204-884-0
LC50		1.4	mg/l
Duration of exposure		96	h
Species		Pimephales promelas	
Method		OECD 204	
Source		ECHA	
3	bis(nonylphenyl)amine	36878-20-3	253-249-4
LC50		>	100
Duration of exposure		96	h
Species		Danio rerio	
Method		OECD 202	
Source		ECHA	
4	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine	91273-04-0	401-280-0

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LC50		1.1	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	OECD 203		
Source	ECHA		
5	alpha,alpha'-propylenedinitrilodi-o-cresol	94-91-7	202-374-2
LC50	appr.	46	mg/l
Duration of exposure		96	h
Species	Leuciscus idus		
Method	DIN 38412		
Source	ECHA		

Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	alpha,alpha'-propylenedinitrilodi-o-cresol	94-91-7	202-374-2
NOEC		21.5	mg/l
Duration of exposure		96	h
Species	Leuciscus idus		
Source	ECHA		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	2-ethylhexan-1-ol	104-76-7	203-234-3
EC50		39	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		
2	2,6-di-tert-butylphenol	128-39-2	204-884-0
EC50		0.45	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		
3	bis(nonylphenyl)amine	36878-20-3	253-249-4
EC50	>	100	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
4	alpha,alpha'-propylenedinitrilodi-o-cresol	94-91-7	202-374-2
EC50		3.162	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
5	diphenylamine	122-39-4	204-539-4
EC50		2.0	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	2,6-di-tert-butylphenol	128-39-2	204-884-0
NOEC		0.035	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 211		
Source	ECHA		
2	alpha,alpha'-propylenedinitrilodi-o-cresol	94-91-7	202-374-2
NOEC		1.77	mg/l
Duration of exposure		48	h

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Species	Daphnia magna
Method	OECD 202
Source	ECHA

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	2-ethylhexan-1-ol	104-76-7	203-234-3
EC50		11.5	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Source	ECHA		
2	2,6-di-tert-butylphenol	128-39-2	204-884-0
EC50		1.2	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	US-EPA		
Source	ECHA		
3	bis(nonylphenyl)amine	36878-20-3	253-249-4
EC50		600	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
4	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine	91273-04-0	401-280-0
ErC50		>	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
5	alpha,alpha'-propylenedinitrilotri-o-cresol	94-91-7	202-374-2
EC50		1.117	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
6	diphenylamine	122-39-4	204-539-4
EC50		2.17	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	2,6-di-tert-butylphenol	128-39-2	204-884-0
NOEC		0.64	mg/l
Duration of exposure		96	h
Species	Pseudokirchneriella subcapitata		
Method	EPA OTS 797.1050		
Source	ECHA		
2	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine	91273-04-0	401-280-0
NOEC		0.32	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Bacteria toxicity			
No	Substance name	CAS no.	EC no.
1	2,6-di-tert-butylphenol	128-39-2	204-884-0

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EC50	>	1000	
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		
2	alpha,alpha'-propylenedinitrilodi-o-cresol	94-91-7	202-374-2
EC20		18	mg/l
Duration of exposure		180	min
Species	activated sludge		
Method	OECD 209		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	2-ethylhexan-1-ol	104-76-7	203-234-3
Type	aerobic biodegradation		
Value	79	- 99.9	%
Duration		2	week/s
Method	OECD 301 C		
Source	ECHA		
Evaluation	readily biodegradable		
2	bis(nonylphenyl)amine	36878-20-3	253-249-4
Type	aerobic biodegradation		
Value		1	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	not readily biodegradable		
3	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine	91273-04-0	401-280-0
Type	aerobic biodegradation		
Value		9	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	not readily biodegradable		
4	alpha,alpha'-propylenedinitrilodi-o-cresol	94-91-7	202-374-2
Type	BOD		
Value	60	- 70	%
Duration		14	d
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	2-ethylhexan-1-ol	104-76-7	203-234-3
log Pow		2.9	
Reference temperature		25	°C
Method	OECD 117		
Source	ECHA		
2	bis(nonylphenyl)amine	36878-20-3	253-249-4
log Pow		>	
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

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Results of PBT and vPvB assessment

PBT assessment	No data available.
vPvB assessment	No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class	9
Classification code	M6
Packing group	III
Hazard identification no.	90
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Tunnel restriction code	-
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

14.2 Transport IMDG

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
EmS	F-A, S-F
Label	9
Marine pollutant mark	Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

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14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.	No 3
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Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category:	E2
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Other regulations

Observe employment restrictions for child bearing mothers and nursing mothers.
Observe employment restrictions for young people.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

EUH066	Repeated exposure may cause skin dryness or cracking.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H360FD	May damage fertility. May damage the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

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H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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