

Trade name: masteroil Diesel Anti-Ruß-Additiv**Product no.:** 1785**Current version :** 1.0.3, issued: 30.04.2024**Replaced version:** 1.0.2, issued: 21.04.2022**Region:** IE**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****masteroil Diesel Anti-Ruß-Additiv****UFI:****PPV5-D0G8-N005-QTKQ****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**Masteroil GmbH
Stockholmer Allee 30 b
44269 Dortmund

Telephone no. 0231 444 247 64

e-mail info@masteroil.com

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

+353 1 809 2166 (National Poisons Information Centre)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Acute Tox. 4; H302

Aquatic Acute 1; H400

Aquatic Chronic 1; H410

Asp. Tox. 1; H304

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:

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2-ethylhexyl nitrate

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

Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)

Hazard statement(s)

H302

Harmful if swallowed.

H304

May be fatal if swallowed and enters airways.

H410

Very toxic to aquatic life with long lasting effects.

Hazard statements (EU)

EUH066

Repeated exposure may cause skin dryness or cracking.

Precautionary statement(s)

P273

Avoid release to the environment.

P301+P310

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331

Do NOT induce vomiting.

P391

Collect spillage.

UFI:

PPV5-D0G8-N005-QTKQ

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	2-ethylhexyl nitrate		
	27247-96-7	Acute Tox. 4; H302	>= 25,00 - < 50,00 wt%
	248-363-6	Acute Tox. 4; H312	
	-	Acute Tox. 4; H332	
	01-2119539586-27	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH044 EUH066	
2	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		
	-	EUH066	>= 25,00 - < 50,00 wt%
	925-653-7	Asp. Tox. 1; H304	
	01-2119458869-15	Aquatic Chronic 3; H412	
3	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)		
	-	Asp. Tox. 1; H304	>= 25,00 - < 50,00 wt%
	920-360-0	EUH066	
	01-2119448343-41		
4	hydrocarbons, C10, aromatics, <1% naphthalene		

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	- 918-811-1 - 01-2119463583-34	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 EUH066 STOT SE 3; H336	< 5,00	wt%
5	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	< 2,50	wt%
6	ferrocene			
	102-54-5 203-039-3 - -	Acute Tox. 4; H302 Acute Tox. 4; H332 Aquatic Chronic 1; H410 Flam. Sol. 1; H228 Repr. 1B; H360 STOT RE 2; H373	< 0,50	wt%

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

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. In case of persisting adverse effects, consult a physician.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

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

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).

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.

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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 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		



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	2-ethylhexan-1-ol				
	WEL long-term (8-hr TWA reference period)	5,4	mg/m ³	1	ppm
List of Chemical Agents and Occupational Exposure Limit Values (Code of Practice)					
	2-Ethylhexan-1-ol				
	WEL long-term (8-hr TWA reference period)	5,4	mg/m ³	1	ppm
	Comments	IOELV			
2	ferrocene	102-54-5		203-039-3	
List of Chemical Agents and Occupational Exposure Limit Values (Code of Practice)					
	Ferrocene				
	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-ethylhexyl nitrate			27247-96-7 248-363-6
	dermal	Long term (chronic)	systemic	1 mg/kg/day
	dermal	Long term (chronic)	local	44 µg/cm ²
	inhalative	Long term (chronic)	systemic	0.35 mg/m ³
2	hydrocarbons, C10, aromatics, <1% naphthalene			- 918-811-1
	dermal	Long term (chronic)	systemic	12,5 mg/kg/day
	inhalative	Long term (chronic)	systemic	151 mg/m ³
3	2-ethylhexan-1-ol			104-76-7 203-234-3
	dermal	Long term (chronic)	systemic	23 mg/kg/day
	inhalative	Short term (acute)	local	53,2 mg/m ³
	inhalative	Long term (chronic)	systemic	12,8 mg/m ³
	inhalative	Long term (chronic)	local	53,2 mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	2-ethylhexyl nitrate			27247-96-7 248-363-6
	oral	Long term (chronic)	systemic	25 µg/kg/day
	dermal	Long term (chronic)	systemic	0.52 mg/kg/day
	dermal	Long term (chronic)	local	22 µg/cm ²
	inhalative	Long term (chronic)	systemic	87 µg/m ³
2	hydrocarbons, C10, aromatics, <1% naphthalene			- 918-811-1
	oral	Long term (chronic)	systemic	7,5 mg/kg/day
	dermal	Long term (chronic)	systemic	7,5 mg/kg/day
	inhalative	Long term (chronic)	systemic	32 mg/m ³
3	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	26,6 mg/m ³
	inhalative	Long term (chronic)	local	26,6 mg/m ³

PNEC values

No	Substance name		CAS / EC no
	ecological compartment	Type	Value
1	2-ethylhexyl nitrate		27247-96-7 248-363-6



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	water	fresh water	0,83	µg/L
	water	marine water	0,083	µg/L
	water	fresh water sediment	0,47	mg/kg dry weight
	water	marine water sediment	0,047	µg/kg dry weight
	soil	-	95,5	µg/kg dry weight
	sewage treatment plant	-	10	mg/L
2	2-ethylhexan-1-ol		104-76-7 203-234-3	
	water	fresh water	0,017	mg/L
	water	marine water	0,002	mg/L
	water	Aqua intermittent	0,17	mg/L
	water	fresh water sediment	0,284	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
	with reference to: food			

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

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

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Form			
liquid			
Colour			
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			
Density			
No data available			
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	2-ethylhexyl nitrate	27247-96-7	248-363-6
log Pow		5,24	
Method		OECD 117	
Source		ECHA	
2	2-ethylhexan-1-ol	104-76-7	203-234-3
log Pow		2,9	
Reference temperature		25 °C	
Method		OECD 117	
Source		ECHA	
Kinematic viscosity			
Value	2		mm ² /s

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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	masteroil Diesel Anti-Ruß-Additiv
ATE (Mixture)	1333,33 mg/kg
Method	Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6.

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
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.		

Acute dermal toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	masteroil Diesel Anti-Ruß-Additiv

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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).
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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		
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	masteroil Diesel Anti-Ruß-Additiv
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	2-ethylhexyl nitrate	27247-96-7	248-363-6
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
2	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	-	920-360-0
Species	rabbit		



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Method	OECD 404
Source	ECHA / Read across
Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are met.

3	2-ethylhexan-1-ol	104-76-7	203-234-3
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Species	rabbit
Method	OECD 404
Source	ECHA
Evaluation	irritant
Evaluation/classification	Based on available data, the classification criteria are met.

Serious eye damage/irritation

No	Substance name	CAS no.	EC no.
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1	2-ethylhexyl nitrate	27247-96-7	248-363-6
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Method	OECD 437
Source	ECHA
Evaluation	non-irritant

2	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	-	920-360-0
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Species	rabbit
Method	OECD 405
Source	ECHA / Read across
Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.

3	2-ethylhexan-1-ol	104-76-7	203-234-3
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Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation	Irritating to eyes
Evaluation/classification	Based on available data, the classification criteria are met.

Respiratory or skin sensitisation

No	Substance name	CAS no.	EC no.
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1	2-ethylhexyl nitrate	27247-96-7	248-363-6
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Route of exposure	Skin
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Species	guinea pig
Method	OECD 406
Source	ECHA
Evaluation	non-sensitizing

2	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	-	920-360-0
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Route of exposure	Skin
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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.

Germ cell mutagenicity

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
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Source	ECHA / Read across
Evaluation/classification	Based on available data, the classification criteria are not met.

2	hydrocarbons, C10, aromatics, <1% naphthalene	-	918-811-1
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Type of examination	in vitro gene mutation study in bacteria
Species	S. typhimurium TA 1535, TA 1537, TA 98 and TA 100
Method	OECD 471
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are met.

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3	2-ethylhexan-1-ol	104-76-7	203-234-3
Type of examination	in vitro gene mutation study in bacteria		
Species	Salmonella typh. TA98, TA100, TA1535, TA1537, TA1538		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	2-ethylhexyl nitrate	27247-96-7	248-363-6
Species	rat		
Method	OECD 421		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	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.		

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.		

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.		
2	2-ethylhexan-1-ol	104-76-7	203-234-3
Route of exposure	oral		
NOAEL	250	mg/kg bw/d	
Species	rat		
Method	OECD 408		
Source	ECHA		
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-ethylhexyl nitrate	27247-96-7	248-363-6
LC50		2	mg/l

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Duration of exposure	96	h
Species	Danio rerio	
Source	OECD 203	
2	hydrocarbons, C10, aromatics, <1% naphthalene	918-811-1
LL50	>= 2	5 mg/l
Duration of exposure	96	h
Species	Oncorhynchus mykiss	
with reference to	EG 919-284-0	
Method	OECD 203	
Source	ECHA	
3	2-ethylhexan-1-ol	104-76-7 203-234-3
LC50	17,1	mg/l
Duration of exposure	96	h
Species	Leuciscus idus melanotus	
Method	EU C.1	
Source	ECHA	

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

No	Substance name	CAS no.	EC no.
1	2-ethylhexyl nitrate	27247-96-7	248-363-6
EC50		0,83	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	hydrocarbons, C10, aromatics, <1% naphthalene	-	918-811-1
EL50	>= 3	10	mg/l
Duration of exposure	48	h	
Species	Daphnia magna		
with reference to	EG 919-284-0		
Method	OECD 202		
Source	ECHA		
3	2-ethylhexan-1-ol	104-76-7	203-234-3
EC50		39	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	EU C.2		
Source	ECHA		

Toxicity to Daphnia (chronic)

No	Substance name	CAS no.	EC no.
1	2-ethylhexyl nitrate	27247-96-7	248-363-6
EC50		0,83	mg/l
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
Evaluation/classification	The classification criteria are met based on the available data. (LC50 < 1 mg/l and log Kow >= 4)		

Toxicity to algae (acute)

No	Substance name	CAS no.	EC no.
1	2-ethylhexyl nitrate	27247-96-7	248-363-6
EC50		2,53	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

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2	hydrocarbons, C10, aromatics, <1% naphthalene	-	918-811-1
EL50	>= 1	- 3	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
with reference to	EG 919-284-0		
Method	OECD 201		
Source	ECHA		
3	2-ethylhexan-1-ol	104-76-7	203-234-3
EC50		11,5	mg/l
Duration of exposure		72	h
Species	Scenedesmus subspicatus		
Method	EU C.3		
Source	ECHA		

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No data available

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	2-ethylhexyl nitrate	27247-96-7	248-363-6
Type		aerobic biodegradation	
Value		0	%
Duration		28	day(s)
Evaluation	not inherently biodegradable		
2	hydrocarbons, C10, aromatics, <1% naphthalene	-	918-811-1
Type		COD	
Value		49,56	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	inherently biodegradable		
3	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		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	2-ethylhexyl nitrate	27247-96-7	248-363-6
log Pow		5,24	
Method	OECD 117		
Source	ECHA		
2	2-ethylhexan-1-ol	104-76-7	203-234-3
log Pow		2,9	
Reference temperature		25	°C
Method	OECD 117		
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 UN number or ID number

ADR/RID/ADN	UN3082
IMDG	UN3082
ICAO-TI / IATA	UN3082

14.2 UN proper shipping name

ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	2-ethylhexyl nitrate
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	2-ethylhexyl nitrate
ICAO-TI / IATA	Environmentally hazardous substance, liquid, n.o.s.
Technical name	2-ethylhexyl nitrate

14.3 Transport hazard class(es)

ADR/RID/ADN - Class	9
Label	9
Classification code	M6
Tunnel restriction code	-
Hazard identification no.	90
IMDG - Class	9
Label	9
ICAO-TI / IATA - Class	9
Label	9

14.4 Packing group

ADR/RID/ADN	III
IMDG	III
ICAO-TI / IATA	III

14.5 Environmental hazards

ADR/RID/ADN	Symbol "fish and tree"
IMDG	Symbol "fish and tree"

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EmS	F-A, S-F
ICAO-TI / IATA	Symbol "fish and tree"

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:	E1
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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)

EUH044	Risk of explosion if heated under confinement.
H228	Flammable solid.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360	May damage fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Creation of the safety data sheet

UMCO GmbH

Trade name: masteroil Diesel Anti-Ruß-Additiv

Product no.: 1785

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Region: IE

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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.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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