

Trade name: masteroil Diesel Systemreiniger**Product no.:** 1717**Current version :** 1.0.2, issued: 30.04.2024**Replaced version:** 1.0.1, 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 Systemreiniger****UFI:****CRU5-T0VW-800R-E259****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 DortmundTelephone 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)**

Aquatic Chronic 2; H411

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**

GHS08



GHS09

Signal word

Danger

Hazardous component(s) to be indicated on label:

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

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

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H304 May be fatal if swallowed and enters airways.
 H411 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:

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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-ethylhexyl nitrate			
	27247-96-7 248-363-6 - 01-2119539586-27	Acute Tox. 4; H302 Acute Tox. 4; H312 Acute Tox. 4; H332 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH044 EUH066	>= 10,00 - < 25,00	wt%
4	hydrocarbons, C10, aromatics, <1% naphthalene			
	- 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			

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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	< 5,00	wt%
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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.

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

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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		
	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	

DNEL, DMEL and PNEC values**DNEL values (worker)**

No	Substance name	CAS / EC no
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	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
2	inhalative	Long term (chronic)	systemic	0.35 mg/m ³
	hydrocarbons, C10, aromatics, <1% naphthalene			- 918-811-1
	dermal	Long term (chronic)	systemic	12,5 mg/kg/day
3	inhalative	Long term (chronic)	systemic	151 mg/m ³
	2-ethylhexan-1-ol			104-76-7 203-234-3
	dermal	Long term (chronic)	systemic	23 mg/kg/day
	inhalative	Short term (acut)	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
2	inhalative	Long term (chronic)	systemic	87 µg/m ³
	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
3	inhalative	Long term (chronic)	systemic	32 mg/m 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 (acut)	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
	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



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	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	
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	

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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	<	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

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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 Systemreiniger
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.
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 Systemreiniger
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		

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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 Systemreiniger
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-ethylhexyl nitrate	27247-96-7	248-363-6
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
3	2-ethylhexan-1-ol	104-76-7	203-234-3
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.
1	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	-	920-360-0
Species	rabbit		
Method	OECD 405		

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Source	ECHA / Read across
Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.
2	2-ethylhexyl nitrate 27247-96-7 248-363-6
Method	OECD 437
Source	ECHA
Evaluation	non-irritant
3	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.

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-ethylhexyl nitrate	27247-96-7	248-363-6
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	

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	hydrocarbons, C10, aromatics, <1% naphthalene	-	918-811-1
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.	
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	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-ethylhexyl nitrate	27247-96-7	248-363-6
Species		rat	
Method		OECD 421	
Source		ECHA	

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

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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		
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	

**Trade name:** masteroil Diesel Systemreiniger**Product no.:** 1717**Current version :** 1.0.2, issued: 30.04.2024**Replaced version:** 1.0.1, issued: 21.04.2022**Region:** IE

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

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**

Trade name: masteroil Diesel Systemreiniger**Product no.:** 1717**Current version :** 1.0.2, issued: 30.04.2024**Replaced version:** 1.0.1, issued: 21.04.2022**Region:** IE**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 hydrocarbons, C10, aromatics, <1% naphthalene

IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	2-ethylhexyl nitrate hydrocarbons, C10, aromatics, <1% naphthalene

ICAO-TI / IATA	Environmentally hazardous substance, liquid, n.o.s.
Technical name	2-ethylhexyl nitrate hydrocarbons, C10, aromatics, <1% naphthalene

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"
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**

**Trade name:** masteroil Diesel Systemreiniger**Product no.:** 1717**Current version :** 1.0.2, issued: 30.04.2024**Replaced version:** 1.0.1, issued: 21.04.2022**Region:** IE**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
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

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.
H302	Harmful if swallowed.
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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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.

Alterations/supplements:

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

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