

**Trade name:** masteroil Diesel Anti-Ruß-Additiv**Product no.:** 1785**Current version :** 4.0.0, issued: 21.11.2024**Replaced version:** 3.0.0, issued: 22.05.2024**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:**

**Trade name:** masteroil Diesel Anti-Ruß-Additiv**Product no.:** 1785**Current version :** 4.0.0, issued: 21.11.2024**Replaced version:** 3.0.0, issued: 22.05.2024**Region:** IE

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)**

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

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	<b>2-ethylhexyl nitrate</b>		
	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	<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</b>		
	-	EUH066	>= 25,00 - < 50,00 wt%
	925-653-7	Asp. Tox. 1; H304	
	01-2119458869-15	Aquatic Chronic 3; H412	
3	<b>Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)</b>		
	-	Asp. Tox. 1; H304	>= 25,00 - < 50,00 wt%
	920-360-0	EUH066	
	01-2119448343-41		
4	<b>hydrocarbons, C10, aromatics, &lt;1% naphthalene</b>		

**Trade name:** masteroil Diesel Anti-Ruß-Additiv**Product no.:** 1785**Current version :** 4.0.0, issued: 21.11.2024**Replaced version:** 3.0.0, issued: 22.05.2024**Region:** IE

	- 918-811-1 - 01-2119463583-34	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 EUH066 STOT SE 3; H336	< 5,00	wt%
5	<b>2-ethylhexan-1-ol</b>			
	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	<b>ferrocene</b>			
	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 of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

**Acute toxicity estimate (ATE) values**

No	oral	dermal	inhalative
1	500 mg/kg bodyweight	1100 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. 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 (CO<sub>2</sub>); Carbon dioxide (CO<sub>2</sub>); 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.

**Trade name:** masteroil Diesel Anti-Ruß-Additiv**Product no.:** 1785**Current version :** 4.0.0, issued: 21.11.2024**Replaced version:** 3.0.0, issued: 22.05.2024**Region:** IE**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 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**

**Trade name:** masteroil Diesel Anti-Ruß-Additiv**Product no.:** 1785**Current version :** 4.0.0, issued: 21.11.2024**Replaced version:** 3.0.0, issued: 22.05.2024**Region:** IE**Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	<b>2-ethylhexan-1-ol</b>	<b>104-76-7</b>	<b>203-234-3</b>
	<b>2017/164/EU</b>		
	2-ethylhexan-1-ol		
	WEL long-term (8-hr TWA reference period)	5,4 mg/m <sup>3</sup>	1 ppm
	<b>List of Chemical Agents and Occupational Exposure Limit Values (Code of Practice)</b>		
	2-Ethylhexan-1-ol		
	WEL long-term (8-hr TWA reference period)	5,4 mg/m <sup>3</sup>	1 ppm
	Comments	IOELV	
2	<b>ferrocene</b>	<b>102-54-5</b>	<b>203-039-3</b>
	<b>List of Chemical Agents and Occupational Exposure Limit Values (Code of Practice)</b>		
	Ferrocene		
	WEL long-term (8-hr TWA reference period)	10 mg/m <sup>3</sup>	

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

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	<b>2-ethylhexyl nitrate</b>	<b>27247-96-7</b> <b>248-363-6</b>		
	dermal	Long term (chronic)	systemic	1 mg/kg/day
	dermal	Long term (chronic)	local	44 µg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	0.35 mg/m <sup>3</sup>
2	<b>hydrocarbons, C10, aromatics, &lt;1% naphthalene</b>	- <b>918-811-1</b>		
	dermal	Long term (chronic)	systemic	12,5 mg/kg/day
	inhalative	Long term (chronic)	systemic	151 mg/m <sup>3</sup>
3	<b>2-ethylhexan-1-ol</b>	<b>104-76-7</b> <b>203-234-3</b>		
	dermal	Long term (chronic)	systemic	23 mg/kg/day
	inhalative	Short term (acut)	local	53,2 mg/m <sup>3</sup>
	inhalative	Long term (chronic)	systemic	12,8 mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	53,2 mg/m <sup>3</sup>

**DNEL value (consumer)**

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	<b>2-ethylhexyl nitrate</b>	<b>27247-96-7</b> <b>248-363-6</b>		
	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 <sup>2</sup>
	inhalative	Long term (chronic)	systemic	87 µg/m <sup>3</sup>
2	<b>hydrocarbons, C10, aromatics, &lt;1% naphthalene</b>	- <b>918-811-1</b>		
	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 <sup>3</sup>
3	<b>2-ethylhexan-1-ol</b>	<b>104-76-7</b> <b>203-234-3</b>		
	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 <sup>3</sup>
	inhalative	Short term (acut)	local	26,6 mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	26,6 mg/m <sup>3</sup>



**Trade name:** masteroil Diesel Anti-Ruß-Additiv

**Product no.:** 1785

**Current version :** 4.0.0, issued: 21.11.2024

**Replaced version:** 3.0.0, issued: 22.05.2024

**Region:** IE

### PNEC values

No	Substance name	CAS / EC no		
	ecological compartment	Type	Value	
1	<b>2-ethylhexyl nitrate</b>		<b>27247-96-7</b> <b>248-363-6</b>	
	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	<b>2-ethylhexan-1-ol</b>		<b>104-76-7</b> <b>203-234-3</b>	
	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.

**Trade name:** masteroil Diesel Anti-Ruß-Additiv

**Product no.:** 1785

**Current version :** 4.0.0, issued: 21.11.2024

**Replaced version:** 3.0.0, issued: 22.05.2024

**Region:** IE

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>State of aggregation</b>			
liquid			
<b>Form</b>			
liquid			
<b>Colour</b>			
Various, depending on coloration			
<b>Odour</b>			
No data available			
<b>pH value</b>			
reason for missing pH		substance/mixture is non-polar/aprotic	
<b>Boiling point / boiling range</b>			
Value	>	160	°C
<b>Melting point/freezing point</b>			
No data available			
<b>Decomposition temperature</b>			
No data available			
<b>Flash point</b>			
Value	>	61	°C
<b>Ignition temperature</b>			
No data available			
<b>Flammability</b>			
No data available			
<b>Lower explosion limit</b>			
No data available			
<b>Upper explosion limit</b>			
No data available			
<b>Vapour pressure</b>			
No data available			
<b>Relative vapour density</b>			
No data available			
<b>Relative density</b>			
No data available			
<b>Density</b>			
No data available			
<b>Solubility</b>			
No data available			
<b>Partition coefficient n-octanol/water (log value)</b>			
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

**Trade name:** masteroil Diesel Anti-Ruß-Additiv**Product no.:** 1785**Current version :** 4.0.0, issued: 21.11.2024**Replaced version:** 3.0.0, issued: 22.05.2024**Region:** IE

Reference temperature	25	°C
Method	OECD 117	
Source	ECHA	

<b>Kinematic viscosity</b>		
Value	2	mm <sup>2</sup> /s
Reference temperature	40	°C
Type	kinematic	

<b>Particle characteristics</b>		
No data available		

**9.2 Other information**

<b>Other information</b>		
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**

<b>Acute oral toxicity (result of the ATE calculation for the mixture)</b>		
<b>Product Name</b>		
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.	

<b>Acute oral toxicity</b>			
No	Substance name	CAS no.	EC no.
1	2-ethylhexyl nitrate	27247-96-7	248-363-6
ATE		500	mg/kg bodyweight
Source	estimated value		
2	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		
3	2-ethylhexan-1-ol	104-76-7	203-234-3
LD50		2047	mg/kg bodyweight
Species	rat		
Method	OECD 401		



**Trade name:** masteroil Diesel Anti-Ruß-Additiv**Product no.:** 1785**Current version :** 4.0.0, issued: 21.11.2024**Replaced version:** 3.0.0, issued: 22.05.2024**Region:** IE

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)	
Product Name	
<b>masteroil Diesel Anti-Ruß-Additiv</b>	
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	<b>2-ethylhexyl nitrate</b>	<b>27247-96-7</b>	<b>248-363-6</b>
ATE		1100	mg/kg bodyweight
Source	estimated value		
2	<b>Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)</b>	-	<b>920-360-0</b>
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA / Read across		
3	<b>2-ethylhexan-1-ol</b>	<b>104-76-7</b>	<b>203-234-3</b>
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)	
Product Name	
<b>masteroil Diesel Anti-Ruß-Additiv</b>	
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	<b>2-ethylhexyl nitrate</b>	<b>27247-96-7</b>	<b>248-363-6</b>
ATE		11	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Source	estimated value		
2	<b>Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)</b>	-	<b>920-360-0</b>
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.		
3	<b>2-ethylhexan-1-ol</b>	<b>104-76-7</b>	<b>203-234-3</b>
LC50	1,1	- 4,3	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		

**Trade name:** masteroil Diesel Anti-Ruß-Additiv**Product no.:** 1785**Current version :** 4.0.0, issued: 21.11.2024**Replaced version:** 3.0.0, issued: 22.05.2024**Region:** IE

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	
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
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	2-ethylhexyl nitrate	27247-96-7	248-363-6
Method		OECD 437	
Source		ECHA	
Evaluation		non-irritant	
2	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.	
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	2-ethylhexyl nitrate	27247-96-7	248-363-6
Route of exposure		Skin	
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
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA / Read across	
Evaluation		non-sensitizing	

**Trade name:** masteroil Diesel Anti-Ruß-Additiv**Product no.:** 1785**Current version :** 4.0.0, issued: 21.11.2024**Replaced version:** 3.0.0, issued: 22.05.2024**Region:** IE

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

Endocrine disrupting properties

**Trade name:** masteroil Diesel Anti-Ruß-Additiv**Product no.:** 1785**Current version :** 4.0.0, issued: 21.11.2024**Replaced version:** 3.0.0, issued: 22.05.2024**Region:** IE

No data available

**11.2 Information on other hazards****Other information**

No data available.

**SECTION 12: Ecological information****12.1 Toxicity**

<b>Toxicity to fish (acute)</b>			
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	mg/l
Duration of exposure		- 5	h
		96	
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

<b>Toxicity to Daphnia (acute)</b>			
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	mg/l
Duration of exposure		- 10	h
		48	
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



**Trade name:** masteroil Diesel Anti-Ruß-Additiv

**Product no.:** 1785

**Current version :** 4.0.0, issued: 21.11.2024

**Replaced version:** 3.0.0, issued: 22.05.2024

**Region:** IE

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 with reference to	Pseudokirchneriella subcapitata		
Method	EG 919-284-0		
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.

**Trade name:** masteroil Diesel Anti-Ruß-Additiv**Product no.:** 1785**Current version :** 4.0.0, issued: 21.11.2024**Replaced version:** 3.0.0, issued: 22.05.2024**Region:** IE

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	
Product Name	
masteroil Diesel Anti-Ruß-Additiv	
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.
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
ICAO-TI / IATA	Environmentally hazardous substance, liquid, n.o.s.

**14.3 Transport hazard class(es)**

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

**Trade name:** masteroil Diesel Anti-Ruß-Additiv**Product no.:** 1785**Current version :** 4.0.0, issued: 21.11.2024**Replaced version:** 3.0.0, issued: 22.05.2024**Region:** IE

<b>IMDG - Class</b>	9
Label	9
<b>ICAO-TI / IATA - Class</b>	9
Label	9
<b>14.4 Packing group</b>	
<b>ADR/RID/ADN</b>	III
<b>IMDG</b>	III
<b>ICAO-TI / IATA</b>	III
<b>14.5 Environmental hazards</b>	
<b>ADR/RID/ADN</b>	Symbol "fish and tree"
<b>IMDG</b>	Symbol "fish and tree"
EmS	F-A, S-F
<b>ICAO-TI / IATA</b>	Symbol "fish and tree"
<b>14.6 Special precautions for user</b>	No data available.
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	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

##### **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

### 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.

---

**Trade name:** masteroil Diesel Anti-Ruß-Additiv

**Product no.:** 1785

**Current version :** 4.0.0, issued: 21.11.2024

**Replaced version:** 3.0.0, issued: 22.05.2024

**Region:** IE

---

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

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: [umco@umco.de](mailto:umco@umco.de)

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.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 778318