

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended



A. M. G. VENOL ATF VI

Creation date 7th September 2026 Version 1.0

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

- 1.1. Product identifier** A. M. G. VENOL ATF VI
Substance / mixture mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
hydraulic gear oil
Mixture uses advised against
The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
Manufacturer
Name or trade name VENOL MOTOR OIL Spółka z ograniczoną odpowiedzialnością
Address Lodowa 107, Łódź, 93-232
Poland
Phone +48 42 649 15 68
Email venol@venol.pl
Web address venol.de
Competent person responsible for the safety data sheet
Name Laboratorium VENOL MOTOR OIL
Email laboratorium@venol.de
- 1.4. Emergency telephone number**
European emergency number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
The mixture is classified as dangerous.

Aquatic Chronic 3, H412
Most serious adverse effects on human health and the environment
Harmful to aquatic life with long lasting effects.
- 2.2. Label elements**
Hazard statements
H412 Harmful to aquatic life with long lasting effects.
Precautionary statements
P273 Avoid release to the environment.
P501 Dispose of contents/container properly labeled waste containers in accordance with national regulations.
- 2.3. Other hazards**
The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

SECTION 3: Composition/information on ingredients

- 3.2. Mixtures**
Chemical characterization
Mixture.
Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 151006-60-9 EC: 436-190-0 Registration number: 01-2119523580-47-XXXX	1-Dodecene, polymer with 1-decene, hydrogenated	50-70	Asp. Tox. 1, H304	3

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 649-467-00-8 CAS: 64742-54-7 EC: 265-157-1 Registration number: 01-2119484627-25-XXXX	Distillates (petroleum), hydrotreated heavy paraffinic	20-40	Asp. Tox. 1, H304	1, 3, 4
Index: 649-467-00-8 CAS: 64742-54-7 EC: 265-157-1 Registration number: 01-2119484627-25-XXXX	Distillates (petroleum), hydrotreated heavy paraffinic	1-<2	not classified as dangerous	1, 3, 4
Index: 649-482-00-X CAS: 72623-86-0 EC: 276-737-9 Registration number: 01-2119474878-16-XXXX	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	1-<2	Asp. Tox. 1, H304	1, 2, 3, 4
Index: 649-468-00-3 CAS: 64742-55-8 EC: 265-158-7 Registration number: 01-2119487077-29-XXXX	Distillates (petroleum), hydrotreated light paraffinic	0.5-<2	Asp. Tox. 1, H304	1, 2, 3, 4
Index: 649-468-00-3 CAS: 64742-55-8 EC: 265-158-7	Distillates (petroleum), hydrotreated light paraffinic	0.5-<2	not classified as dangerous	1, 2, 3, 4
CAS: 398141-87-2 EC: 800-172-4 Registration number: 01-2119969520-35	Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11 branched alkyloxy) derivs., C10-rich	0.5-1	Aquatic Chronic 2, H411	
CAS: 1218787-32-6 EC: 620-540-6 Registration number: 01-2119510877-33-XXXX	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.	0.05-0.1	Acute Tox. 4, H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	
CAS: 124-28-7 EC: 204-694-8 Registration number: 01-2119486676-20-XXXX	dimantine	0.05-0.1	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) Specific concentration limit: ATE Oral = 1230 mg/kg bw	
EC: 939-485-7 Registration number: 01-2119974116-35-XXXX	3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine	0.03-0.05	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=1) Specific concentration limit: ATE Oral = 500 mg/kg bw	
CAS: 95-38-5 EC: 202-414-9 Registration number: 01-2119777867-13-XXXX	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	0.01-0.03	Acute Tox. 4, H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	

Notes

- Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.
- The use of the substance is restricted by Annex XVII of REACH Regulation
- Substance of unknown or variable composition, complex reaction products or biological materials - UVCB.
- Fulfilled Note L

Full text of all classifications and hazard statements is given in the section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Move the victim to fresh air, keep him warm and calm. Contact a doctor if disturbing symptoms occur.

If on skin

Take off contaminated clothing. Wash contaminated skin with plenty of soap and water, and then rinse with water. In case of disturbing symptoms, consult a doctor. Wash clothes before reuse.

If in eyes

Protect non-irritated eye, remove contact lenses. Rinse contaminated eyes thoroughly with water for at least 10 minutes. with open eyelids. Avoid strong water stream - risk of cornea damage. Consult a doctor if disturbing symptoms occur.

If swallowed

Do not induce vomiting. For spontaneous vomiting lean the victim forward in order to minimize the risk of aspiration. Do not administer milk, grease, alcohol. Never put anything into mouth of an unconscious person. Consult a physician if any worrying affections occur.

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

If inhaled

For a high vapour concentration the product may cause headache and dizziness, irritation of mucus membranes of the respiratory system, during prolonged exposure, aberrations of the central nervous system, movement coordination troubles, confusion, drowsiness, inconscience.

If on skin

For a prolonged contact possible dryness, skin cracking and chronic dermatitis.

If in eyes

Redness, tearing, burning.

If swallowed

Nausea, stomach pain, vomiting, diarrhoea.

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

Decision on the method of the helping procedure shall be made by a physician after a thorough assessment of the victim's condition. Symptomatic treatment.

More information

Other relevant information is not available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foams, water mist, dry agents, CO₂.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

The product is not classified as flammable. Cool containers exposed to fire from a safe distance with a spray of water. Collect used extinguishing media. Do not allow them to enter surface water, ground water and soil. Use general protection measures typical in the event of fire. Do not stay in the fire endangered area without suitable chemical-resistant clothing and a self-contained breathing apparatus. Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel: restrict access of outsiders to the affected area until appropriate decontamination operations have been finished. For large releases insulate the threatened area. Do not inhale vapours and aerosols. Avoid skin and eye contact. Remove all ignition sources, extinguish open fire, do not smoke. Use personal protective equipment. Spilt oil may cause slippery surface. For emergency responders: ensure that the failure and its effects are removed by trained personnel only. Use personal protection. Do not inhale vapours. Avoid skin and eye contact.

6.2. Environmental precautions

Do not dispose to drains, surface and ground water. For release of bigger amounts of the mixture take measures to prevent spreading in the environment. Notify relevant rescue services.

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6.3. Methods and material for containment and cleaning up

Place a damaged packaging in a substitute pack. Collect spill with non-flammable materials absorbing liquids (e.g. sand, soil, diatomaceous earth, vermiculite) and place it in closed containers. Treat the collected material as waste. Clean the contaminated place with water and detergent. Do not use sparking tools.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Work in accordance with health and safety rules. Do not eat, drink or smoke while working. Avoid eye and skin contact. Do not inhale vapours and aerosols. Wash your hands before a break and after finish of work. Ensure proper ventilation. Remove ignition sources - do not smoke. Do not use sparking tools. Containers not in use keep closed tight. Keep contaminated/soaked clothing away from heat and ignition sources.

7.2. Conditions for safe storage, including any incompatibilities

Store only in a cool and well ventilated place. Do not store together with food, groceries and animal feed. Avoid direct sunlight, heat and ignition sources. Do not store together with incompatible substances (see section 10).

The specific requirements or rules relating to the substance/mixture

Do not allow contact with water.

7.3. Specific end use(s)

No information about uses other than those mentioned in subsection 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains no substances for which occupational exposure limits are set.

DNEL

dimantine			
Workers / consumers	Route of exposure	Value	Effect
Consumers	Inhalation	0.434 mg/m ³	Chronic effects systemic
Consumers	Inhalation	0.434 mg/m ³	Chronic effects systemic
Consumers	Dermal	0.028 mg/kg bw/day	Chronic effects systemic
Workers	Dermal	0.056 mg/kg bw/day	Chronic effects systemic
Workers	Food chain	1.764 mg/kg bw/day	Chronic effects systemic

Distillates (petroleum), hydrotreated heavy paraffinic			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	2.7 mg/m ³	Chronic effects systemic
Workers	Inhalation	5.4 mg/m ³	Chronic effects local
Consumers	Inhalation	1.2 mg/m ³	Chronic effects local
Consumers	Oral	0.74 mg/kg	Chronic effects systemic
	Dermal	1.0 mg/kg	Chronic effects systemic

Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.			
Workers / consumers	Route of exposure	Value	Effect
Workers	Dermal	0.3 mg/kg bw/day	Chronic effects systemic
Consumers	Dermal	0.21 mg/kg bw/day	Chronic effects systemic
Consumers	Oral	0.21 mg/kg bw/day	Chronic effects systemic

8.2. Exposure controls

Observe general safety and health protection rules. Do not eat, drink or smoke while working. Wash your hands thoroughly before a break and after finish of work. Avoid skin and eye contact. Provide general and/or local ventilation at a work place in order to maintain the hazardous agent concentration in the air below the set values of exposure limits.

Eye/face protection

Use protective goggles if a risk of splash occurs.

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Skin protection

It is not required for proper use. However, in the event of frequent or prolonged contact, gloves are recommended or a hand cream should be used at the end of the work. The material from which the gloves are made must be impermeable and resistant to the product.

Respiratory protection

Not required if there is a proper ventilation.

Thermal hazard

Data not available.

Environmental exposure controls

Avoid discharges to the environment, do not dispose to drains. Possible emissions from ventilation systems and process equipment should be checked for their conformity with the environmental protection law requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	yellow or red
Odour	characteristic of petroleum products
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	≥200 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	30-38 mm ² /s at 40 °C
Solubility in water	insoluble
Solubility In organic solvents and liquid hydrocarbons	soluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	0.85 g/cm ³ at 15 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid

9.2. Other information

Oxidising properties	not show
Explosive properties	not show
Kinematic viscosity (100°C): 7 mm ² /s Viscosity index: 178 Pour point: -47°C	

SECTION 10: Stability and reactivity

10.1. Reactivity

The product does not undergo hazardous polymerization. See also subsections 10.3 - 10.5.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

Avoid exposure to direct sunlight, heat and ignition sources.

10.5. Incompatible materials

Avoid contact with strong oxidants and reducing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

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SECTION 11: Toxicological information

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

No toxicological data is available for the mixture.

Acute toxicity

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

A. M. G. VENOL ATF VI							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	ATE		223787 mg/kg				Calculation of value

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀	OECD 401	1256 mg/kg		Rat (Rattus norvegicus)		

3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀	OECD 401	500-2000 mg/kg		Rat (Rattus norvegicus)		
Oral	ATE		500 mg/kg bw				

dimantine							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Dermal	LD ₅₀		>2000 mg/kg		Rabbit		
Oral	LD ₅₀	OECD 401	1320 mg/kg		Rat (Rattus norvegicus)		
Oral	ATE		1230 mg/kg bw				

Distillates (petroleum), hydrotreated heavy paraffinic							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀	OECD 401	>5000 mg/kg		Rat (Rattus norvegicus)		
Dermal	LD ₅₀	OECD 402	>5000 mg/kg		Rabbit		
Inhalation	LD ₅₀	OECD 403	5.53 mg/l	4 hours	Rat (Rattus norvegicus)		
Oral	LD ₅₀		>5000 mg/kg		Rat (Rattus norvegicus)		
Skin	LD ₅₀		>3000 mg/kg		Rabbit		
Inhalation	LC ₅₀		>5.53 mg/l		Rat (Rattus norvegicus)		

Distillates (petroleum), hydrotreated light paraffinic							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Inhalation	LC ₅₀		3900 mg/m ³	4 hours	Rat (Rattus norvegicus)		

Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Inhalation (dust/mist)	LC ₅₀		>0.6 mg/l	4 hours	Rat (Rattus norvegicus)		
Oral	LD ₅₀	OECD 401	300-2000 mg/kg		Rat (Rattus norvegicus)		

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Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Inhalation (dust/mist)	LC ₅₀		>2500 mg/m ³	4 hours	Rat (Rattus norvegicus)		
Inhalation	LC ₅₀	OECD 403	>5.53 mg/l	4 hours	Rat (Rattus norvegicus)		
Dermal	LD ₅₀	OECD 402	>5000 mg/kg		Rabbit		
Oral	LD ₅₀	OECD 401	>5000 mg/kg		Rat (Rattus norvegicus)		

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11 branched alkyloxy) derivs., C10-rich

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Dermal	LD ₅₀	OECD 402	4000-8000 mg/kg		Rabbit		
Oral	LD ₅₀		>10000 mg/kg		Rat (Rattus norvegicus)		

Skin corrosion/irritation

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

Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.

Route of exposure	Result	Method	Exposure time	Species
Dermal	Corrosive, Skin burns	OECD 404		Rabbit

Serious eye damage/irritation

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

Respiratory or skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

Toxicity for specific target organ - single exposure

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

Toxicity for specific target organ - repeated exposure

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

Repeated dose toxicity

dimantine							
Route of exposure	Parameter	Result	Method	Value	Exposure time	Species	Sex
Oral	NOAEL		OECD 422	180 mg/kg		Rat (Rattus norvegicus)	

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Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.

Route of exposure	Parameter	Result	Method	Value	Exposure time	Species	Sex
Oral	NOAEL		OECD 422	180 mg/kg		Rat (Rattus norvegicus)	

Aspiration hazard

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

11.2. Information on other hazards

Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

Other information

not available

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Acute toxicity

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol

Parameter	Value	Exposure time	Species	Environment
EC ₅₀	0.03 mg/l	72 hours	Algae (Desmodesmus subspicatus)	
EC ₅₀	0.163 mg/l	48 hours	Daphnia (Daphnia magna)	
IC ₅₀	26 mg/l	3 hours	Microorganisms	
LL ₅₀	0.3 mg/l	96 hours	Fish (Danio rerio)	

3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine

Parameter	Value	Exposure time	Species	Environment
EL ₅₀	0.0544 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	
EL ₅₀	1.05 mg/l	21 days	Daphnia (Daphnia magna)	
EL ₅₀	23.6 mg/l	3 hours	Microorganisms	
LL ₅₀	2.14 mg/kg	96 hours	Fish (Danio rerio)	

dimantine

Parameter	Value	Exposure time	Species	Environment
EC ₅₀	0.0165 mg/l	72 hours	Algae	
EL ₅₀	0.0558 mg/l	48 hours	Daphnia (Daphnia magna)	
EL ₅₀	13 mg/l	3 hours	Microorganisms	
LL ₅₀	0.26 mg/l	96 hours	Fish (Danio rerio)	

Distillates (petroleum), hydrotreated light paraffinic

Parameter	Value	Exposure time	Species	Environment
LC ₅₀	5000 mg/kg	96 hours	Fish (Oncorhynchus mykiss)	
EC ₅₀	1000 mg/kg	48 hours	Daphnia (Daphnia magna)	

Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.

Parameter	Value	Exposure time	Species	Environment
EC ₅₀	0.043 mg/l	48 hours	Daphnia (Daphnia magna)	
EL ₅₀	0.0538 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	

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Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.

Parameter	Value	Exposure time	Species	Environment
EL ₅₀	167 mg/l	3 hours	Microorganisms	
LC ₅₀	0.1 mg/l	96 hours	Fish (Danio rerio)	

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

Parameter	Value	Exposure time	Species	Environment
EL ₅₀	>10000 mg/l	48 hours	Daphnia (Daphnia magna)	
LL ₅₀	>100 mg/l	96 hours	Fish (Pimephales promelas)	

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11 branched alkyloxy) derivs., C10-rich

Parameter	Value	Exposure time	Species	Environment
EL ₅₀	63 mg/l	72 hours	Algae (Desmodesmus subspicatus)	
EL ₅₀	4.6 mg/l	48 hours	Daphnia (Daphnia magna)	
EL ₅₀	>10000 mg/l	3 hours	Microorganisms	
LL ₅₀	2.4 mg/l	96 hours	Fish (Oncorhynchus mykiss)	

Chronic toxicity

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol

Parameter	Value	Exposure time	Species	Environment
EC ₁₀	0.014 mg/l	72 hours	Algae (Desmodesmus subspicatus)	

3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine

Parameter	Value	Exposure time	Species	Environment
EL ₁₀	0.0421 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	
EL ₁₀	0.738 mg/l	21 days	Daphnia (Daphnia magna)	

dimantine

Parameter	Value	Exposure time	Species	Environment
EL ₁₀	0.00256 mg/l	72 hours	Algae	
NOEL	0.036 mg/l	21 days	Daphnia (Daphnia magna)	

Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.

Parameter	Value	Exposure time	Species	Environment
EL ₅₀	0.0156 mg/kg	72 hours	Algae (Pseudokirchneriella subcapitata)	
EL ₅₀	0.0107 mg/l	21 days	Daphnia (Daphnia magna)	

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

Parameter	Value	Exposure time	Species	Environment
NOEL	≥100 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	
NOEL	10 mg/l	21 days	Daphnia (Daphnia magna)	
NOEL	1000 mg/l	14 days	Fish (Oncorhynchus mykiss)	

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11 branched alkyloxy) derivs., C10-rich

Parameter	Value	Exposure time	Species	Environment
NOEL	0.313 mg/l	72 hours	Algae (Desmodesmus subspicatus)	

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12.2. Persistence and degradability

Data for the mixture are not available.

Biodegradability

2-(2-heptadec-8-enyl-2-imidazolin-1-yl)etanol					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301B	1 %	28 days		Hardly biodegradable
dimantine					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301D	68 %	28 days		Easily biodegradable
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301F	75 %	28 days		

12.3. Bioaccumulative potential

Data for the mixture are not available.

dimantine	
Parameter	Value
Log Pow	>6.91

12.4. Mobility in soil

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects

The mixture is not classified as posing a threat to the ozone layer. Low volatility product. Hydrocarbons being components of a product exhibit a low tendency to penetrate into the atmosphere. Water insoluble. Is gathering on water surface forming a layer that hinders the oxygen exchange. High molecular weight hydrocarbons. They can sediment in water.

Water hazard class: WGK 2 (own assessment).

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy. Perfectly cleaned containers can be submitted for recycling. The waste code should be given at the place of its production.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

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14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based, Distillates (petroleum), hydrotreated light paraffinic, Distillates (petroleum), hydrotreated light paraffinic

Restriction	Conditions of restriction
28	1. Shall not be placed on the market, or used, — as substances, — as constituents of other substances, or, — in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: — either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, — the relevant generic concentration limit specified in Part 3 of Annex I of Regulation (EC) No 1272/2008. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows: "Restricted to professional users". 2. By way of derogation, paragraph 1 shall not apply to: (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/EEC; (c) the following fuels and oil products: — motor fuels which are covered by Directive 98/70/EC, — mineral oil products intended for use as fuel in mobile or fixed combustion plants, — fuels sold in closed systems (e.g. liquid gas bottles); (d) artists' paints covered by Regulation (EC) No 1272/2008; (e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date. (f) devices covered by Regulation (EU) 2017/745.

15.2. Chemical safety assessment

Chemical safety assessment for the mixture is not required.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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Guidelines for safe handling used in the safety data sheet

- P273 Avoid release to the environment.
P501 Dispose of contents/container properly labeled waste containers in accordance with national regulations.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

Acute Tox.	Acute toxicity
ADR	Agreement concerning the international carriage of dangerous goods by road
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
ATE	Acute toxicity estimate
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC ₁₀	Concentration of a substance when it is affected 10 % of the population
EC ₅₀	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EL ₁₀	Effective Loading for 10 % of the tested organisms
EL ₅₀	Effective Loading for 50 % of the tested organisms
EmS	Emergency Response Procedures for Ships Carrying Dangerous Goods
EU	European Union
EuPCS	European Product Categorisation System
Eye Dam.	Serious eye damage
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
IC ₅₀	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
LL ₅₀	Lethal Loading for 50 % of tested organisms
log Kow	Octanol-water partition coefficient
NOAEL	No observed adverse effect level
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.	Skin corrosion
STOT RE	Specific target organ toxicity - repeated exposure
UN number	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
vPvM	Very persistent and very mobile

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Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.