

**VENOL Venlub L-HLP 68 Zinc-free**

Creation date	11th July 2016	Revision no.	
Revision date	25th August 2023	Version	4.0

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

- 1.1. Product identifier**  
Substance / mixture VENOL Venlub L-HLP 68 Zinc-free mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**  
hydraulic oil  
**Main intended use**  
PC-TEC-11 Lubricants, greases, release agents  
**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**  
**Distributor**  
Name or trade name VENOL MOTOR OIL Spółka z ograniczoną odpowiedzialnością  
Address Lodowa 107, Łódź, 93-232  
Poland  
Phone +48 42 649 15 68  
E-mail venol@venol.pl  
Web address venol.de  
**Manufacturer**  
Name or trade name VENOL MOTOR OIL GmbH  
Address Litauische Str. 43, Frankfurt (Oder), 15234  
Germany  
Phone +49 335 40 14 401  
E-mail info@venol.de  
Web address www.venol.de  
**Competent person responsible for the safety data sheet**  
Name Laboratorium VENOL MOTOR OIL  
E-mail laboratorium@venol.de
- 1.4. Emergency telephone number**  
National Health Service (NHS) 111  
National poisoning information centre Scotland, NHS 24: 111

**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 to to accordance with all 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.

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### 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
Index: 649-467-00-8 CAS: 64742-54-7 EC: 265-157-1 Registration number: 01-2119484627-25-XXXX	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified	95-<100	not classified as dangerous	1, 2, 3
Index: 649-467-00-8 CAS: 64742-54-7 EC: 265-157-1 Registration number: 01-2119484627-25-XXXX	Distillates (petroleum), hydrotreated heavy paraffinic	<0.5	Asp. Tox. 1, H304	1, 2, 3
CAS: 128-39-2 EC: 204-884-0 Registration number: 01-2119490822-33	2,6-di-tert-butylphenol	<0.2	Skin Irrit. 2, H315 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
CAS: 1213789-63-9 EC: 627-034-4 Registration number: 01-2119473797-19-XXXX	Amines, C16-18 and C16-18-unsatd. alkyl	<0.1	Acute Tox. 4, H302 Asp. Tox. 1, H304 Skin Corr. 1B, H314 STOT SE 3, H335 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	

#### Notes

- Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO 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. This note applies only to certain complex oil-derived substances in Part 3.
- 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.

### 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

Wash contaminated skin with plenty of water with soap or mild detergent, and next rinse with water. If any disturbing symptoms occur contact a physician. Wash the clothing 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.

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**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.

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**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 chemical resistant gloves. Use a self-contained breathing apparatus and full-body protective clothing.

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**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.

**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.

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**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.

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**SECTION 8: Exposure controls/personal protection****DNEL**

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

**TRIAL - section 8 was skipped in trial version. To display all the sections, please order the full version. Further information please find on [www.sblcore.com](http://www.sblcore.com).**

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Appearance	
physical state	solid at 20 °C
form	liquid: viscous
color	yellow
Odour	characteristic of petroleum products
pH	non-soluble (in water)
Melting point/freezing point	data not available
Initial boiling point and boiling range	data not available
Flash point	≥210 °C
Flammability (solid, gas)	data not available
Upper/lower flammability or explosive limits	
explosive limits	data not available
Vapour pressure	data not available
Solubility(ies)	
solubility in water	insoluble
solubility In organic solvents and liquid hydrocarbons	soluble
Partition coefficient: n-octanol/water	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
Viscosity	
Kinematic viscosity	66 mm <sup>2</sup> /s at 40 °C
Density	0.872 g/cm <sup>3</sup> at 15 °C

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### 9.2. Other information

Explosive properties does not show  
 Oxidising properties does not show  
 viscosity index: 100min. pour point: -30 ° C

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactive product. Does not undergo hazardous polymerization. See also section 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.

### 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

**TRIAL - section 11 was skipped in trial version. To display all the sections, please order the full version. Further information please find on [www.sblcore.com](http://www.sblcore.com).**

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.

#### Acute toxicity

2,6-di-tert-butylphenol					
Parameter	Method	Value	Exposure time	Species	Environment
EC <sub>50</sub>		1.2 mg/l	96 hours	Algae (Pseudokirchneriella subcapitata)	
EC <sub>50</sub>		0.45 mg/l	48 hours	Daphnia (Daphnia magna)	
EC <sub>50</sub>		>1000 mg/l	3 hours	Microorganisms	
LC <sub>50</sub>		1.4 mg/l	96 hours	Fish (Pimephales promelas)	

Amines, C16-18 and C16-18-unsatd. alkyl					
Parameter	Method	Value	Exposure time	Species	Environment
LC <sub>50</sub>		0.06 mg/l	96 hours	Fish (Pimephales promelas)	
EC <sub>50</sub>	OECD 202	0.98 mg/l	48 hours	Daphnia (Daphnia magna)	
EC <sub>50</sub>	OECD 201	0.46 mg/l	72 hours	Algae (Desmodesmus subspicatus)	

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### Chronic toxicity

2,6-di-tert-butylphenol				
Parameter	Value	Exposure time	Species	Environment
NOEC	0.64 mg/kg	96 hours	Algae (Pseudokirchneriella subcapitata)	
	0.035 mg/l	21 days	Daphnia (Daphnia magna)	

### 12.2. Persistence and degradability

not available

#### Biodegradability

2,6-di-tert-butylphenol					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 302C	12-24 %	28 days		Hardly biodegradable

Amines, C16-18 and C16-18-unsatd. alkyl					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301B	60 %	28 days		Easily biodegradable
	OECD 301D	44 %	28 days		Easily biodegradable

### 12.3. Bioaccumulative potential

Not available.

2,6-di-tert-butylphenol					
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow	4.5				

### 12.4. Mobility in soil

The product does not dissolve in water. The mobility of substances / components of the mixture depends on their hydrophilic and hydrophobic properties as well as abiotic and biotic conditions of the soil, including its structure, climatic conditions, season of the year and soil organisms.

### 12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

### 12.6. 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. Klasa zagrożenia wód: WGK 2 (ocena własna).

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## 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. Proceed in accordance with valid regulations on waste disposal. 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 or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling. The waste code should be given at the place of its production.



# SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

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### Waste management legislation

Producer Responsibility Obligations (Packaging Waste) Regulations 2007 (S.I. No. 871 of 2007). 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.

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### SECTION 14: Transport information

#### 14.1. UN number

not subject to transport regulations

#### 14.2. UN proper shipping name

not relevant

#### 14.3. Transport hazard class(es)

not relevant

#### 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. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

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### SECTION 15: Regulatory information

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

Clean Air Act 1993 as amended. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 as amended. Public health act 1961. Environmental Protection Act 1990 as amended. 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).

#### 15.2. Chemical safety assessment

Chemical safety assessment for the mixture is not required.

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### 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.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
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.
H412	Harmful to aquatic life with long lasting effects.

#### Guidelines for safe handling used in the safety data sheet

P273	Avoid release to the environment.
P501	Dispose of contents/container to to accordance with all 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.



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### Key to abbreviations and acronyms used in the safety data sheet

Acute Tox.	Acute toxicity
ADR	European 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
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 <sub>50</sub>	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution from Ships
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
UN	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

### 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.





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**The changes (which information has been added, deleted or modified)**

The version 4.0 replaces the SDS version from 02 December 2020. Changes were made in sections 2, 8, 9, 11, 12, 13, 15 and 16.

**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.

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