

VENOL Synthesis 4T SN 10W40

Creation date	11th September 2020	Revision no.	
Revision date	07th February 2024	Version	3.0

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

- 1.1. Product identifier**
VENOL Synthesis 4T SN 10W40
Substance / mixture mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Engine oil for lubrication of four-stroke engines.
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
E-mail venol@venol.pl
Web address 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 not classified as dangerous according to Regulation (EC) No 1272/2008.
- 2.2. Label elements**
Signal word
none
- 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.

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	Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - unspecified	75-85		1, 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	5-<15	Asp. Tox. 1, H304	1, 4

VENOL Synthesis 4T SN 10W40

Creation date	11th September 2020	Revision no.	
Revision date	07th February 2024	Version	3.0

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
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	Asp. Tox. 1, H304	1, 4
Index: 649-469-00-9 CAS: 64742-56-9 EC: 265-159-2 Registration number: 01-2119480132-48-XXXX	Distillates (petroleum), solvent-dewaxed light paraffinic; Base oil - unspecified	<0.5	Asp. Tox. 1, H304	
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	not classified as dangerous	2, 5

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.
- 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.
- Substance of unknown or variable composition, complex reaction products or biological materials - UVCB.
- Fulfilled Note L
- 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.

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.



SAFETY DATA SHEET

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



VENOL Synthesis 4T SN 10W40

Creation date	11th September 2020	Revision no.	
Revision date	07th February 2024	Version	3.0

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

Stomach pain, nausea, 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

TRIAL - section 5 was skipped in trial version. To display all the sections, please order the full version. Further information please find on www.sblcore.com.

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).

7.3. Specific end use(s)

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

TRIAL intended to test program functions

VENOL Synthesis 4T SN 10W40

Creation date	11th September 2020	Revision no.	
Revision date	07th February 2024	Version	3.0

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

DNEL

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

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.

Skin protection

When handling in long-term or repeatedly, use protective gloves.

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.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
physical state	liquid at 20 °C
form	liquid
color	brown
Odour	characteristic of petroleum products
pH	data not available
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 fats	data not available
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	88.0 mm ² /s at 40 °C

VENOL Synthesis 4T SN 10W40

Creation date	11th September 2020	Revision no.	
Revision date	07th February 2024	Version	3.0

Density	0.8750 g/cm ³ at 15 °C
9.2. Other information	
Explosive properties	does not show
Oxidising properties	does not show
kinematic viscosity (100°C):13.8 viscosity index:150 flow temperature:-30	

TRIAL intended to test program functions

SECTION 10: Stability and reactivity

TRIAL - section 10 was skipped in trial version. To display all the sections, please order the full version. Further information please find on www.sblcore.com.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

Distillates (petroleum), hydrotreated heavy paraffinic						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
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	

Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - unspecified						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀		>5000 mg/kg		Rat (Rattus norvegicus)	
Inhalation	LC ₅₀		>5.53 mg/l		Rat (Rattus norvegicus)	
Dermal	LD ₅₀		>5000 mg/kg		Rabbit	

Distillates (petroleum), solvent-dewaxed light paraffinic; Base oil - unspecified						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀		>5000 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD ₅₀		>5000 mg/kg		Rabbit	
Inhalation	LC ₅₀		>5.53 mg/l	4 hours		

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

VENOL Synthesis 4T SN 10W40

Creation date	11th September 2020	Revision no.	
Revision date	07th February 2024	Version	3.0

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

TRIAL intended to test program functions

SECTION 12: Ecological information

12.1. Toxicity

Based on the available data the mixture does not meet the criteria for classification.

Acute toxicity

Distillates (petroleum), hydrotreated heavy paraffinic					
Parameter	Method	Value	Exposure time	Species	Environment
LL ₅₀	OECD 203	>100 mg/l	96 hours	Fish (Pimephales promelas)	
EC ₅₀	OECD 202	>1000 mg/kg	48 hours	Daphnia (Daphnia magna)	
EC ₅₀	OECD 201	>100 mg/kg	72 hours	Algae (Pseudokirchneriella subcapitata)	
NOEC	OECD 201	100 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	

Distillates (petroleum), solvent-dewaxed light paraffinic; Base oil - unspecified					
Parameter	Method	Value	Exposure time	Species	Environment
LL ₅₀	OECD 203	>100 mg/l	96 hours	Fish (Pimephales promelas)	
EC ₅₀	OECD 202	>10000 mg/l	48 hours	Daphnia (Daphnia magna)	

Chronic toxicity

Distillates (petroleum), hydrotreated heavy paraffinic					
Parameter	Method	Value	Exposure time	Species	Environment
NOEC	OECD 211	10 mg/l	21 days	Daphnia (Daphnia magna)	

VENOL Synthesis 4T SN 10W40

Creation date 11th September 2020 Revision no.
Revision date 07th February 2024 Version 3.0

Distillates (petroleum), solvent-dewaxed light paraffinic; Base oil - unspecified					
Parameter	Method	Value	Exposure time	Species	Environment
NOEC	OECD 211	>10 mg/l	21 days	Daphnia (Daphnia magna)	
NOEC	OECD 201	>100 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	

12.2. Persistence and degradability

Data not available.

Biodegradability

Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - unspecified				
Parameter	Value	Exposure time	Environment	Result
	2-31 %	28 days		Hardly biodegradable

12.3. Bioaccumulative potential

Data not available.

12.4. Mobility in soil

Product spreads in the soil; It can penetrate deep into the soil and cause pollution groundwater. Mobility of the components of the mixture depends on their hydrophilic and hydrophobic properties and abiotic and biotic conditions of the soil, including its structure, climatic conditions and organisms soil, (mainly bacteria, fungi, algae, invertebrates).

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. Water hazard class: WGK 2 (own assessment).

TRIAL intended to test program functions

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.

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



SAFETY DATA SHEET



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

VENOL Synthesis 4T SN 10W40

Creation date	11th September 2020	Revision no.	
Revision date	07th February 2024	Version	3.0

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

TRIAL intended to test program functions

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.

TRIAL intended to test program functions

SECTION 16: Other information

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

H304 May be fatal if swallowed and enters airways.

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

ADR	European agreement concerning the international carriage of dangerous goods by road
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 ₅₀	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 ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population

VENOL Synthesis 4T SN 10W40

Creation date	11th September 2020	Revision no.	
Revision date	07th February 2024	Version	3.0

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 K _{ow}	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution from Ships
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
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.

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

The version 3.0 replaces the SDS version from 02 August 2022. Changes were made in sections 2, 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.