

SAFETY DATA SHEET

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



A. M. G. VENOL Benzine Additive

Creation date	24th May 2017	Version	5.0
Revision date	3rd December 2024		

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

- 1.1. Product identifier**
Substance / mixture A. M. G. VENOL Benzine Additive mixture
UFI CR40-S0XE-V00S-6HEP
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Fuel additive.
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.

Asp. Tox. 1, H304
STOT SE 3, H336

Most serious adverse effects on human health and the environment

May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.

- 2.2. Label elements**

Hazard pictogram



Signal word

Danger

Hazardous substances

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics
1-methoxy-2-propanol

Hazard statements

H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.

Precautionary statements

P102	Keep out of reach of children.
P271	Use only outdoors or in a well-ventilated area.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.
P501	Dispose of contents/container properly labeled waste containers in accordance with national regulations.

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Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger. Container must be fitted with child-resistant fastening.

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
EC: 918-481-9 Registration number: 01-2119457273-39-XXXX	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	37-58	Asp. Tox. 1, H304 EUH066	2
Index: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1	1-methoxy-2-propanol	14-42	Flam. Liq. 3, H226 STOT SE 3, H336	1

Notes

- 1 A substance for which exposure limits are set.
- 2 Substance of unknown or variable composition, complex reaction products or biological materials - UVCB.

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 unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Remove the victim to fresh air, keep warm and at rest. The conscious person should be placed in a semi-sitting position, the unconscious person should be placed in the recovery position. Control and maintain airway patency. In case of breathing disorders, give oxygen; use artificial respiration in case of lack of breath. Get medical attention immediately.

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! Never give anything by mouth to an unconscious person. If the injured is conscious, rinse mouth thoroughly with water. In case of spontaneous vomiting, tilt the injured person forward in order to avoid choking. Consult a doctor immediately, show the packaging or label.

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

If inhaled

Possible irritation of airways, cough, headache. May cause drowsiness or dizziness.

If on skin

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

If in eyes

Redness, tearing, burning.

If swallowed

Abdominal pain, nausea, vomiting, diarrhea, there is a risk of aspiration of the product into the lungs, which may lead to aspiration pneumonia and, in extreme cases, death.

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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. 48-hour observation of the victim is recommended due to the possibility of delayed symptoms.

More information

Other relevant information is not available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

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. Vapor and air may be mixed with an explosion.

5.3. Advice for firefighters

Do not stay in a fire hazardous area without appropriate chemical-resistant clothing and self-contained breathing apparatus. Cool tanks at risk of fire with a water spray from a safe distance. Collect used extinguishing media. Do not allow them to enter surface water, ground water and soil.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For persons not belonging to the personnel eliminating the consequences of the accident: limit the access of bystanders to the accident area until the completion of appropriate cleaning operations. In case of large spills, isolate the endangered area. Do not inhale vapors and aerosols. Avoid contact with skin and eyes. Keep away all sources of ignition, extinguish open fire, do not smoke. Avoid electrostatic discharge. Use personal protection measures. Provide adequate ventilation.

For persons decomposing the consequences of an accident: make sure that the removal of the failure and its effects is performed only by trained personnel. Use personal protection measures.

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 the damaged packaging in a replacement packaging. Collect the leak with non-flammable materials absorbing liquids (e.g. sand, earth, diatomaceous earth, vermiculite) and place in closed containers. Treat the collected material as waste. Clean the contaminated area. 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 the safety and hygiene rules. Do not eat, drink or smoke while working. Avoid contact with eyes and skin. Avoid inhaling vapors and mists of the product. Wash hands and face before breaks and after work. Provide adequate ventilation. Remove sources of ignition. Do not use sparking tools. Use bridging and grounding of tanks. Avoid electrostatic discharge. Keep unused containers tightly closed. Uncleaned containers must not be heated, cut, drilled, grinded, welded or carried out in their vicinity.

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). Store in a closed container.

The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

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 substances for which occupational exposure limits are set.

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European Union

Commission Directive 2000/39/EC

Substance name (component)	Type	Value
1-methoxy-2-propanol (CAS: 107-98-2)	OEL 8 hours	375 mg/m ³
	OEL 8 hours	100 ppm
	OEL 15 minutes	568 mg/m ³
	OEL 15 minutes	150 ppm

Notes
Skin.

8.2. Exposure controls

Observe the general rules of safety and hygiene. Do not eat, drink or smoke while working. Wash hands and face thoroughly before breaks and after work. Avoid skin contact. Take off contaminated clothing and wash it before reuse. Do not inhale vapors / mists. Provide general and / or local ventilation in the workplace in order to maintain the concentrations of harmful agents in the air below the established limit values. Topical exhaust is preferred as it removes contaminants from where they originate, preventing them from spreading.

Eye/face protection

Use protective goggles if a risk of splash occurs.

Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

Respiratory protection

Not required with proper ventilation. In case of failure or exposure to high concentration of vapors in the air, exceeding the permissible NDS values, use respiratory protection - a mask with an organic vapor absorber.

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	data not available
Odour	characteristic
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	≥61 °C (Pensy-Martens)
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	<7 mm ² /s at 40 °C
Solubility in water	insoluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	data not available
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

Data not available.

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10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Product vapors may form explosive mixtures with air.

10.4. Conditions to avoid

Avoid exposure to direct sunlight, heat and ignition sources.

10.5. Incompatible materials

Avoid contact with strong oxidants, acids and bases.

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.

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.

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	>5000 mg/kg		Rat (Rattus norvegicus)	
Skin	LD ₅₀	>5000 mg/kg		Rabbit	
Inhalation	LC ₅₀	>4951 mg/m ³		Rat (Rattus norvegicus)	

Skin corrosion/irritation

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

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

May cause drowsiness or dizziness.

Toxicity for specific target organ - repeated exposure

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

Aspiration hazard

May be fatal if swallowed and enters airways.

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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

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

Acute toxicity

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics				
Parameter	Value	Exposure time	Species	Environment
LL ₅₀	>1000 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EL ₅₀	>1000 mg/l	48 hours	Invertebrates (Daphnia magna)	
EC ₅₀	>1000 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	

12.2. Persistence and degradability

Data for the mixture are not available.

Biodegradability

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics				
Parameter	Value	Exposure time	Environment	Result
	80 %	28 days		Easily biodegradable

12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

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 hazardous to the ozone layer. The product is insoluble in water. It accumulates on the water surface, creating a layer that hinders oxygen exchange. Hydrocarbons with a higher molecular weight may 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 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

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 or ID 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. 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).

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

EUH066	Repeated exposure may cause skin dryness or cracking.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.

Guidelines for safe handling used in the safety data sheet

P102	Keep out of reach of children.
P271	Use only outdoors or in a well-ventilated area.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.
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

ADR	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
EL ₅₀	Effective Loading for 50 % of the tested organisms

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EmS	Emergency Response Procedures for Ships Carrying Dangerous Goods
EU	European Union
EuPCS	European Product Categorisation System
Flam. Liq.	Flammable liquid
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
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 K _{ow}	Octanol-water partition coefficient
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
STOT SE	Specific target organ toxicity - single 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

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 5.0 replaces the SDS version from Thursday, 10 February 2022. Changes were made in sections 1, 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.