

SAFETY DATA SHEET

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



A. M. G. VENOL RADIATOR LEAK STOP

Creation date 8th September 2026 Version 1.0

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

- 1.1. Product identifier**
Substance / mixture A. M. G. VENOL RADIATOR LEAK STOP
mixture
UFI V8C0-80DM-500D-GFQK
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Radiator sealant.
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.

STOT RE 2, H373 (kidneys) (ingestion)
Most serious adverse effects on human health and the environment
May cause damage to the kidneys through prolonged or repeated exposure if swallowed.

- 2.2. Label elements**
Hazard pictogram



Signal word

Warning

Hazardous substances

ethanediol

Hazard statements

H373 May cause damage to the kidneys through prolonged or repeated exposure if swallowed.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P260 Do not breathe mist/vapours/spray.
P314 Get medical advice/attention if you feel unwell.
P501 Dispose of contents/container properly labeled waste containers in accordance with national regulations.

Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger.

SAFETY DATA SHEET

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



A. M. G. VENOL RADIATOR LEAK STOP

Creation date 8th September 2026 Version 1.0

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
Index: 603-027-00-1 CAS: 107-21-1 EC: 203-473-3 Registration number: 01-2119456816-28-XXXX	ethanediol	30-50	Acute Tox. 4, H302 STOT RE 2, H373 (kidneys) (ingestion)	1

Notes

1 A substance for which exposure limits are set.

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

Terminate the exposure immediately; move the affected person to fresh air.

If on skin

Remove contaminated clothes.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person.

If swallowed

Rinse out the mouth with clean water. In the event of issues, find medical help.

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

If inhaled

Temporary irritation of the mucosa may occur.

If on skin

Possible redness, drying, cracking, peeling of the skin.

If in eyes

Redness, tearing, burning, irritation.

If swallowed

If large amounts have been swallowed, abdominal pain, nausea, vomiting, dizziness, psychomotor agitation, light-headedness, impaired coordination, drowsiness.

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.

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.

SAFETY DATA SHEET

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



A. M. G. VENOL RADIATOR LEAK STOP

Creation date 8th September 2026 Version 1.0

5.3. Advice for firefighters

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

Follow the instructions in the Sections 7 and 8.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

After removal of the product, wash the contaminated site with plenty of water.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Protect against frost. Protect from sunlight.

Storage temperature

min 5 °C, max 35 °C

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

European Union

Commission Directive 2000/39/EC

Substance name (component)	Type	Value
ethanediol (CAS: 107-21-1)	OEL 8 hours	52 mg/m ³
	OEL 8 hours	20 ppm
	OEL 15 minutes	104 mg/m ³
	OEL 15 minutes	40 ppm

Notes

Skin.

DNEL

ethanediol			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	35 mg/m ³	Chronic effects local
Consumers	Inhalation	7 mg/m ³	Chronic effects local
Workers	Dermal	106 mg/kg	Chronic effects systemic
Consumers	Dermal	53 mg/kg	Chronic effects systemic

PNEC

ethanediol	
Route of exposure	Value
Drinking water	10 mg/l
Marine water	1 mg/l
Freshwater sediment	37 mg/kg
Soil (agricultural)	1.53 mg/kg

SAFETY DATA SHEET

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



A. M. G. VENOL RADIATOR LEAK STOP

Creation date 8th September 2026 Version 1.0

ethanediol	
Route of exposure	Value
Microorganisms in sewage treatment	199 mg/l
Sea sediments	3.7 mg/kg

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

It is not needed.

Skin protection

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

Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

Thermal hazard

Data not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	milky
Odour	characteristic
Melting point/freezing point	-10 °C
Boiling point or initial boiling point and boiling range	105 °C
Flammability	non-flammable
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	7-8 (undiluted)
Kinematic viscosity	data not available
Solubility in water	easily dissolvable in cold water
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1 g/cm ³ at 20 °C
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

The product is not reactive under normal conditions of use and storage.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

SAFETY DATA SHEET

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



A. M. G. VENOL RADIATOR LEAK STOP

Creation date 8th September 2026 Version 1.0

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing 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.

SECTION 11: Toxicological information

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

Hazardous substances in concentrations exceeding exposure limits may cause acute inhalation poisoning, depending on the concentration and duration of exposure. 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 RADIATOR LEAK STOP						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination
Oral	ATE	4000 mg/kg				Calculation of value

ethanediol						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination
Skin	LD ₅₀	>3500 mg/kg		Rabbit		
Inhalation (vapor)	LC ₅₀	>2.5 mg/l	6 hours	Rat (Rattus norvegicus)		
Oral	LD ₅₀	7712 mg/kg		Rat (Rattus norvegicus)		
Oral	LD ₅₀	1600 mg/kg		Human		

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

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

Toxicity for specific target organ - repeated exposure

May cause damage to the kidneys through prolonged or repeated exposure if swallowed.

Aspiration hazard

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

SAFETY DATA SHEET

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



A. M. G. VENOL RADIATOR LEAK STOP

Creation date 8th September 2026 Version 1.0

11.2. Information on other hazards

Endocrine disrupting properties

Does not contain any components that may cause endocrine disruption for humans.

Other information

not available

SECTION 12: Ecological information

12.1. Toxicity

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

Acute toxicity

ethanediol				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	72860 mg/l	96 hours	Fish (Pimephales promelas)	
EC ₅₀	13900-57600 mg/l	48 hours	Daphnia (Daphnia magna)	
EC ₅₀	6500-13000 mg/l	96 hours	Algae (Pseudokirchneriella subcapitata)	
NOEC	8590 mg/l	7 days	Aquatic invertebrates (Ceriodaphnia)	
EC ₂₀	>1995 mg/l			Activated sludge

Chronic toxicity

ethanediol				
Parameter	Value	Exposure time	Species	Environment
NOEC	15380 mg/l	7 days	Fish (Pimephales promelas)	

12.2. Persistence and degradability

Data for the mixture are not available.

Biodegradability

ethanediol				
Parameter	Value	Exposure time	Environment	Result
	90-100 %	10 days		Easily biodegradable

12.3. Bioaccumulative potential

Data for the mixture are not available.

ethanediol	
Parameter	Value
Log Pow	-1.36

12.4. Mobility in soil

Does not contain any PMT or vPvM components.

ethanediol	
Parameter	Value
Log Koc	0

12.5. Results of PBT and vPvB assessment

Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties

Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects

SAFETY DATA SHEET

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



A. M. G. VENOL RADIATOR LEAK STOP

Creation date 8th September 2026 Version 1.0

The product dissolves in water. Mobility of mixture components The mixture is not classified as hazardous to the ozone layer. The possibility of other harmful effects of the individual components of the mixture on the environment should be considered (eg endocrine disrupting capacity, influence on the increase of global warming).

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

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

H302 Harmful if swallowed.

H373 May cause damage to the kidneys through prolonged or repeated exposure if swallowed.

Guidelines for safe handling used in the safety data sheet

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P260 Do not breathe mist/vapours/spray.

P314 Get medical advice/attention if you feel unwell.

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.

SAFETY DATA SHEET

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A. M. G. VENOL RADIATOR LEAK STOP

Creation date 8th September 2026 Version 1.0

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
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 ₂₀	Concentration of a substance when it is affected 20 % 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
EmS	Emergency Response Procedures for Ships Carrying Dangerous Goods
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
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
log K _{ow}	Octanol-water partition coefficient
NOEC	No observed effect concentration
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 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

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.