

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the
European Parliament as amended



MALACHITE Glass Cleaner

Prepared on 30/03/2021
Updated on Version number 1.0

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

- 1. Product identifier**
Substance / mixture MALACHITE Glass Cleaner
UFI mixture
Q300-F01N-900K-GD6H
Other names for the mixture MALACHITE
- 2. Relevant identified uses of the substance or mixture and uses advised against**
Intended uses of the mixture

Uses of the mixture advised against

Do not use for uses other than those indicated in section 1.

Main intended use

PC-CLN-17.7 Windscreen/windshield cleaners

3. Details of the supplier of the safety data sheet

Supplier

Name or business name	AUTO-BLAK Sp. z.o.o
Address	Farbiarska 25a, 02-862 Wasaw, Poland
NIP No.	PL1230950444
Telephone No.	+48 22 899 19 66
E-mail	serwis@auto-blak.pl

E-mail address of the competent person responsible for the Safety Data Sheet

Name	Auto Graph Detailing
E-mail	hello@auto-graph.eu

4. Emergency telephone number

112

SECTION 2: Hazards identification

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 hazardous in accordance with Regulation (EC) No. 1272/2008. Full text of all classifications and H statements is provided in section 16.

2. Label elements

Additional information

<5 % anionic surfactants, <5 % non-ionic surfactants, aromatic compositions
not present

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. The mixture does not contain any substance meeting 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 description

Mixture of substances and additives specified below.

The mixture contains the following hazardous substances and substances with specified occupational exposure limits

Identification numbers	Substance name	Content in % weight	Classification in accordance with Regulation (EC) No.	Note
Index: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 Registration number:	propan-2-ol	≤5	1272/2008 Flam. Liq. 2, H225 Eye Irrit. 2, H319	1
01-2119457558-25 CAS: 34590-94-8	(2-	≤1	not classified as hazardous	1
EC: 252-104-2 Index: 603-098-00-9 CAS: 122-99-6	2-	≤0.1	Acute Tox. 4, H302 Eye Irrit. 2, H319	1
EC: 204-589-7 Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6	ethan	0.003-0.015	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit Eye Irrit. 2, H319: C ≥ 50 %	1

Notes

1 Substance with a Community workplace exposure limit.

Full text of all classifications and H statements is provided in section 16.

SECTION 4: First aid measures

1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a physician and show them information from the product safety data sheet.

Inhalation

Stop exposure immediately, remove victim to fresh air.

Skin contact

Remove contaminated clothing Put away contaminated clothing.

Eye contact

Rinse eyes immediately with a stream of water, lift the eyelids (even with force); if the victim wears contact lenses, remove them immediately. Rinse eyes immediately with a stream of water, lift the eyelids (even with force); if the victim wears contact lenses, remove them immediately.

Ingestion

DO NOT INDUCE VOMITING - Even induction of vomiting alone can cause complications, for example in the case of detergents and other foam-producing substances.

2. Most important symptoms, acute and delayed and effects of exposure

Inhalation

Not expected.

Skin contact

Not expected.

Eye contact

Not expected.

Ingestion

Not expected.

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- 3. Indication of immediate medical attention and special treatment needed, if necessary**
Symptomatic treatment

SECTION 5: Firefighting measures

- 1. Extinguishing media**
Suitable extinguishing media
Extinguishing media should be selected according to the surrounding area.
Not suitable extinguishing media
data not available
- 2. Specific 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.
- 3. Advice for firefighter**
Self-Contained Breathing Apparatus with chemical-resistant gloves. Use a self-contained breathing apparatus and full-body protective clothing.

SECTION 6: Accidental release measures

- 1. Personal precautions, protective equipment and emergency procedures**
Follow the instructions provided in Sections 7 and 8.
- 2. Environmental precautions**
Prevent contamination of the soil and entering surface or ground water.
- 3. Methods and material for containment and cleaning up**
After removal of the product, wash the contaminated site with plenty of water.
- 4. Reference to other sections**
See sections 7, 8 and 13.

SECTION 7: Handling and storage of substances and mixtures

- 1. Precautions for safe handling**
Prevent the formation of gases and vapours in concentrations exceeding the occupational exposure limits. Use personal protective equipment in accordance with Section 8. Observe valid legal regulations on safety and health protection.
- 2. Conditions for safe storage, including any incompatibilities**
Store in tightly closed containers in a dedicated, cool, dry and well ventilated place.
- 3. Specific end use(s)**
data not available

SECTION 8: Exposure controls/personal protection

- 1. Control parameters**
The mixture contains substances for which occupational exposure limits are set.

Poland

Journal of Laws 2018

Substance name	Typ	Value	Note
propan-2-ol (CAS: 67-63-0)	TLV	900 mg/m ³	Labelling the substance with the notation means that the absorption of the substance through the skin may be as important as in the
	STEL	1200 mg/m ³	

item 1286

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Substance name	Typ	Value	Note
(2-methoxymethylethoxy)propanol (CAS: 34590-94-8)	TLV	240 mg/m ³	Labelling the substance with the notation means that the absorption of the substance through the skin may be as important as in the
	STEL	480 mg/m ³	
2-phenoxyethanol (CAS: 122-99-6)	TLV	230 mg/m ³	
	TLV	1900 mg/m ³	

**Poland
item 1286**

Journal of Laws 2018

DNEL

ethanol

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	1,900 mg/m ³	Short-term local effects	Systemic
Workers	Dermal		chronic effects	
	Inhalation	343 mg/kg bw/day		
Workers	Inhalation	950 mg/m ³	Systemic chronic effects	Short-term
Consumers	Ingestion	950 mg/m ³	term local effects	Systemic
Consumers	Dermal	950 mg/m ³	chronic effects	
Consumers	Inhalation	87 mg/kg bw/day	Systemic chronic effects	Systemic
		206 mg/kg bw/day		
Consumers	Route of exposure	114 mg/m ³	chronic effects	

Workers / consumers	Inhalation / Ingestion	Value	Effect	Determining method
Workers	Dermal	500 mg/m ³	Systemic chronic effects	Systemic
Consumers	Inhalation	26 mg/kg bw/day	chronic effects	
Consumers	Dermal	319 mg/kg	Systemic chronic effects	
Consumers			Systemic chronic effects	Systemic
Workers		89 mg/m ³ 888 mg/kg	chronic effects	

PNEC

ethanol

Route of exposure	Value	Determining method
Microorganisms in wastewater treatment plants	Water (periodic leak)	Ingestion
	Drinking water	Seawater
	Freshwater sediments	
4/11		

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580 mg/l

2.75 mg/l

0.72 mg/kg of food

0.96 mg/l

0.79 mg/l

3.6 mg/kg

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propan-2-ol

Route of exposure	Value	Determining
Microorganisms in wastewater treatment	2251 mg/l	
plants	28 mg/kg	
Soil (agricultural)	140.9 mg/l	
Water (periodic leak)	160 mg/kg	
Ingestion	140.9 mg/l	
Drinking water	140.9 mg/l	
Seawater	552 mg/kg	

2. Exposure controls

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 protection

Not needed.

Skin protection

For long-term or repeated use, use protective gloves.

Respiratory protection

A half-mask with a filter against organic vapours, or an isolating respirator in the event of exceeding the level of the substance or in an environment with poor ventilation.

Thermal hazard

Data not available.

Environmental exposure control

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

SECTION 9: Physical and chemical properties

1. Information on basic physical and chemical properties

Physical state	liquid
Colour	green
Odour	data not available
Melting point/freezing point	data not available
available Boiling point or initial boiling point and boiling range	data not available
Flammability of the materials	data not available
Lower and upper explosive limit	data not available
Flash point	data not available
Autoignition temperature	data not available
Decomposition temperature	data not available
pH	6-8
Kinematic viscosity	data not available
Solubility in water	data not available
Partition coefficient: n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density or relative density	data not available
Relative vapour density	data not available
Particle characteristics	data not available

2. Other information

data not available

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SECTION 10: Stability and reactivity

1. Reactivity

data not available

2. Chemical stability

The product is stable under normal conditions.

3. Possibility of hazardous reactions

Unknown.

4. Conditions to avoid

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

5. Incompatible materials

Protect against strong acids and bases as well as oxidising agents.

6. Hazardous decomposition products

Under normal conditions of use, hazardous decomposition products should not be produced. Dangerous products such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

Inhalation of solvent vapours above the occupational exposure limits may lead to acute inhalation poisoning, depending on the concentration level and duration of exposure. No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

ethanol

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Ingestion	LD ₅₀	6,200 mg/kg bw		Rat (Rattus norvegicus)	F / M
Dermal	LD ₅₀	20,000 mg/kg		Rabbit	F / M
Inhalation	LD ₅₀	124.7 mg/l of air	4 hours	Rat (Rattus norvegicus)	F/M

propan-2-ol

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Inhalation (vapour)	LC ₅₀	47.5 mg/l of air 4,400 mg/kg bw	8 hours	Rat (Rattus norvegicus)	F/M F/M
Ingestion	LD ₅₀	12,900 mg/kg bw		Rabbit	F/M
Dermal	LD ₅₀				

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.

met. propan-2-ol

Route of exposure	Result	Method	Time of exposure	Species
	Serious eye damage	OECD 405		Rabbit

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Respiratory or skin sensitisation

Based on available data the classification criteria are not

met. propan-2-ol

Route of	Result	Time of exposure	Species	Sex
	Not irritating		Guinea pig	F/M

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.

Specific target organ toxicity – single exposure

Based on available data the classification criteria are not met.

Specific target organ toxicity – repeated exposure

Based on available data the classification criteria are not

met. propan-2-ol

Route of exposure Parameter	Value	Result	Species	Sex
	500 ppm		Rat (Rattus norvegicus)	F/M

Aspiration hazard

Based on available data the classification criteria are not met.

2. Information on other hazards

data not available

SECTION 12: Ecological information

1. Toxicity

Acute toxicity

Data for the mixture are not

available. ethanol

Parameter	Value	Time of exposure	Species	Environment
r_f	8140 mg/l	48 hours	Fish (Leuciscus idus)	
LC_{50}	9268-14221 mg/l	48 hours	Daphnia (Daphnia magna)	
IC_{50}	5,000 mg/l	7 days	Algae and other aquatic plants (Scenedesmus)	

propan-2-ol

Parameter	Value	Time of exposure	Species	Environment
r_f	2285 mg/l	48 hours	Daphnia (Daphnia magna)	
LC_{50}	9640 mg/l	96	Fish	Fresh water

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propan-2-ol

Parameter	Value	Time of exposure	Species	Environment
LC ₅₀	141 mg/l	16 days	Daphnia (Daphnia magna)	
CEr ₅₀	10500 mg/l	48 days	Algae (Pseudokirchneriella)	

2. Persistence and degradability

The mixture is biodegradable.

3. Bioaccumulative potential

ethanol

Parameter	Value	Time of exposure	Species	Environments	Ambient temperature
Log Pow	-0.31				
BCF	3				

Data not available.

4. Mobility in soil

ethanol

Parameter	Value	Environment	Ambient temperature
K _{oc}	1		

Data not available.

5. Results of PBT and vPvB assessment

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

6. Endocrine disrupting properties

data not available

7. Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with The Act of 14 December 2012 on waste (Journal of Laws of 2020, item 797, as amended) and the executive regulations on waste disposal.

Waste management legislation

Act of 14 December 2012 on waste (Journal of Laws of 2020, item 797, as amended). Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Directive 94/62/EC on packaging and packaging waste. Regulation of the Minister of Climate of 2 January 2020 on the catalogue of wastes (Journal of Laws of 2020, item 10)

Waste type code

20 01 29 Detergents containing dangerous substances *

Packaging waste type code

15 01 02 Plastic packaging

(*) - hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

1. UN number or ID number

Not subject to ADR

2. UN proper shipping name

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data not available

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- 3. Transport hazard class(es)**
data not available
- 4. Packing group**
data not available
- 5. Environmental hazards**
not applicable
- 6. Special precautions for users**
Reference in sections 4 to 8.
- 7. Maritime transport in bulk according to IMO instruments**
not applicable

SECTION 15: Regulatory information

- 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 18 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 (Journal of Laws L 396 of 30 December 2006, 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 (Journal of Laws L 203 of 26 June 2020, as amended).
REGULATION (EC) NO. 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents (Journal of Laws L 104 of 8.4.2004, as amended).
Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006 (Journal of Laws L 353 of 31 December 2008, as amended).
European agreement concerning the international carriage of dangerous goods by road (ADR), concluded in Geneva on 30 September 1957.
Act of 25 February 2011 on the chemical substances and their mixtures (Journal of Laws of 2011 No. 63 item 322, as amended). Act of 14 December 2012 on waste (Journal of Laws of 2013, item 21, as amended).
Act of 13 June 2013 on packaging management and packaging waste (Journal of Laws of 2013, item 888, as amended).
Act of 19 August 2011 on the transport of dangerous goods (Journal of Laws of 2011 No. 227, item 1367, as amended). Regulation of the minister of health of 30 December 2004 on health and safety at work associated with the presence of chemical agents in the workplace (Journal of Laws of 2005 No. 11 item 86, as amended).
- 2. Chemical safety assessment**
data not available

SECTION 16: Other information

A list of hazard statements used in the safety data sheet

- H- it is not classified as hazardous
H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Further information important for the safety and protection of human health

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than those specified in 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
BCF Bioconcentration Factor
CAS Chemical Abstracts Service
CE₅₀ Concentration of a substance which affects 50% of the population

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CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures		
DNEL	Derived No-Effect Level		
EINECS	European Inventory of Existing Commercial Chemical Substances		
EmS	Emergency plan		
EuPCS	European Product Categorisation System		
IATA	International Air Transport Association		
IBC	International code for the construction and equipment of ships carrying dangerous chemicals in bulk		
IC ₅₀	Half maximal inhibitory concentration		
ICAO	International Civil Aviation Organisation		
IMDG	International Maritime Dangerous Goods INCI International Nomenclature of Cosmetic Ingredients		
ISO	International Organisation for Standardisation		
IUPAC	International Union of Pure and Applied Chemistry		
LC ₅₀	Lethal concentration of a substance which can be expected to cause the death of 50% of the population		
LD ₅₀	Lethal dose of a substance which can be expected to cause the death of 50% of the population		
LOAEC	Lowest Observed Adverse Effect Concentration		
LOAEL	Lowest Observed Adverse Effect Level		
log Kow	Octanol-water partition coefficient		
VOC	Volatile Organic Compounds		
MARPOL	International Convention for the Prevention of Pollution from Ships TLV Threshold Limit Value		
STEL	Short-Term Exposure Limit		
CEL	Ceiling Exposure Limit		
NOAEC	No-observed-adverse-effect concentration NOAEL		No-observed-adverse-effect level NOEC
NOEL	No-observed-effect level		
OEL	Occupational Exposure Limits		
PBT	Persistent, Bioaccumulative and Toxic		
PNEC	Predicted No-Effect Concentration		
ppm	Parts per million		
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals RID Regulation concerning the International Carriage of Dangerous Goods by Rail		
EU	European Union		
UN	Four-digit identification number of the substance or article based on "UN Model Regulations"		
UVCB	Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials		
vPvB	Very Persistent and very Bioaccumulative EC Identification		
	code for each substance listed in the EINECS		
Acute Tox. classified	Acute toxicity Not classified		
Eye Irrit.	Eye irritation		
Flam. Liq.	Flammable liquid		
STOT SE	Specific target organ toxicity – single exposure		

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

data not available

Information about data sources used to compile the safety data sheet

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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.