

SAFETY DATA SHEET

Date of update: 16.05.2023

LAAV

VERSION: 3.0/EN
replaces the version of: 01.12.2020r

LAAV GLASS CLEANER

drawn up in accordance with Commission Regulation (EU) No 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

1 SECTION 1: IDENTIFICATION OF SUBSTANCE/MIXTURE AND COMPANY IDENTIFICATION

1.1 Product ID

1.2 LAAV GLASS CLEANER Relevant identified uses of the substance or mixture and uses advised against

Uses identified: Ready-to-use preparation for cleaning glass surfaces.

SU 21 Consumer Applications.

SU 22 Professional Applications.

PC35 Cleaning and cleaning agents (including solvent-based products)

Applications discouraged: Do not use on surfaces not resistant to acids.

1.3 Datasheet supplier details

CSG Cleaning Solutions Sp. z o.o.

Hive. Komorowicka 39-41

PL 43-300 Bielsko-Biala

Phone: 33 47 11 174

www.laav.eu; contact@laav.eu

1.4 Emergency phone number

Emergency telephone number in Poland (open from 8:00 a.m. to 4:00 p.m.): +48 502 832 491

112 (emergency phone), 998 (fire brigade), 999 (medical emergency)

2 SECTION 2:HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008:

Hazards due to physicochemical properties:

The mixture is not classified as hazardous in terms of physicochemical properties.

Health risks

The mixture is not classified as hazardous to health

Environmental hazards:

The mixture is not classified as hazardous to the environment

2.2 Label elements

Pictogram

Not applicable

Signal word:

No warning password shall be used

Hazard statement(s)

Not applicable

Precautionary statement(s)

Prevention:

P102 Keep out of reach of children

P333 + P313 If skin irritation or rash occurs: Seek medical advice

Complementary label elements

EUH210 Safety data sheet available on request

Warehouse in accordance with Regulation 648/2004/EC

Contains: <5% anionic surfactants; <5% anionic surfactants; fragrances, dye

2.3 Other threats

The mixture does not contain 'Substances of Very High Concern (SVHC) present in the list published by the European Chemicals Agency (ECHA) in accordance with Article 57 of the REACH Regulation: <http://echa.europa.eu/pl/candidate-list-table>; Mszaninedoes not meet the criteria for PBT or vPvB mixtures in accordance with Annex XIII to REACH Regulation (EC) No 1907/2006.

PBT substances (persistent, bioaccumulative and toxic substances)

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vPvB substances (very persistent and very bioaccumulative substances)

3 SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance:

Nie not applicable

3.2 Mixture

Identification numbers	Chemical name	Ul. mass in %	Classification in accordance with Regulation (EC) No 1272/2008		
			Pictogram , signal code	Hazard class and category codes	Hazard statement codes
CAS: 5131-66-8 EC (EINECS): 225-878-4 Index number: 603-052-00-8 Registration number: 01-2119475527-28-xxx	Propylene glycol monobutyl ether	<3	GHS07 Hag	Eye Irrit. 2 Skin Irrit. 2	H319 H315
CAS: 68891-38-3 EC (EINECS): 500-234-8 Index number: Registration number: 01-2119488639-16-xxxx	C12-14 alcohols (even), ethoxylated < 2.5 TE, sulphates, sodium salts	<1	GHS07 GHS05 Dgr	Skin Irrit. 2 Eye Dam. 1 Aquatic Acute 2 <u>Specific concentration limits:</u> Eye Dam. 1 : C ≥ 10 % Eye Irrit. 2 : 5 % ≤ C < 10 %	H315 H318 H412
CAS: 67-63-0 EC (EINECS): 200-661-7 Index number: 603-117-00-0 Registration number: 01-2119457558-25-xxxx	<u>Propan-2-ol</u> [1]	<3	GHS02 GHS07 Hag	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336
CAS: 107-98-2 EC (EINECS): 203-539-1 Index number: 603-064-00-3 Registration number: 01-2119457435-35-xxxx	Propylene glycol monomethyl ether [1,2]	<1	GHS02 GHS07 Hag	Flam. Liq. 3 STOT SE 3	H226 H336

[1] Contains a substance with a nationally defined occupational exposure limit. See section 8

[2] Contains a substance with a level of EU maximum concentration limit in the work environment. See section 8

The full wording of H-phrases is given in point 16. Safety data sheets.

4 SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Lead or remove the injured person from the exposure area, put in a comfortable semi-reclining or sitting position, provide calm, protect against heat loss. Control the breathing of the victim – in case of such a need (lack of breath), use artificial respiration and provide medical assistance.

Skin contact: Remove contaminated clothing and wash the skin thoroughly with lukewarm, running water.

Contact with eyes: Rinse with plenty of cool water, preferably running, for at least 15 minutes. Remove contact lenses. Avoid strong jets of water due to the risk of mechanical damage to the cornea. If the irritation persists, you should consult an ophthalmologist.

Gastrointestinal tract: Provide medical assistance. DO NOT vomit without consulting your doctor. Rinse mouth with plenty of water. Call a doctor.

4.2 The most important acute and delayed symptoms and effects of exposure

Symptoms/effects of exposure: Not considered dangerous under normal conditions of use.

In contact with skin: DProlonged exposure may cause redness, dryness

Allergies

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There is always the possibility of allergy to one or several ingredients of the product. A low irritant claim does not mean that individuals will not react unfavorably. Natural substances are particularly sensitive to seasonal and other changes that can contribute to unforeseen reactions. Unfortunately, often the only remedy in these situations is to determine the exact cause of the reaction (usually with professional medical attention) and then avoid any exposure in the future.

In contact with eyes: Lekkje redness, burning.

If swallowed: Msevere nausea, abdominal pain, vomiting.

After inhalation: Inhalation of vapours may cause headache and dizziness, nausea and vomiting

4.3 Indications for any immediate medical attention and special treatment of the victim

The decision on the rescue procedure is made by the doctor after a thorough assessment of the victim's condition.

5 SECTION 5: FIRE MANAGEMENT

5.1 Extinguishing agents

Non-flammable product

Suitable extinguishing agents:

Foam, carbon dioxide, extinguishing powders, water – diffuse currents.

Unsuitable extinguishing agents:

Strong, compact stream of water - the risk of spreading fire.

5.2 Particular hazards of the substance or mixture

During combustion, toxic combustion products, m.in carbon monoxides, and other unidentified thermal decomposition products may be formed.

5.3 Information for the fire brigade

Apply general protective measures typical of fire. Do not stay in a fire hazard zone without appropriate chemical-resistant clothing and breathing apparatus with independent air circulation. Do not allow extinguishing water to enter the sewage system, surface water and groundwater.

6 SECTION 6: HANDLING OF UNINTENTIONAL RELEASES TO THE ENVIRONMENT

6.1 Personal precautions, protective equipment and emergency procedures

For persons not belonging to the assisting staff:

Restrict bystander access to the area of failure until the appropriate cleanup operations have been completed. In the case of large releases, isolate the affected area. Do not inhale vapours. Avoid contact with skin and eyes. Wear personal protective equipment. Ensure adequate ventilation.

For helpers:

Ensure that the recovery of failures and its consequences is carried out only by trained personnel. Wear personal protective equipment. Remove ignition sources.

6.2 Environmental precautions

Where larger quantities of product are released, steps must be taken to prevent it from spreading in the environment. Notify the relevant emergency services

6.3 Methods and materials to prevent the spread of contamination and to remove contamination

Small leak: Collect with mop, paper towel and place in waste containers

Large leakage: Collect the product with liquid-absorbing materials (e.g. sand, with pulacea, universal binders, silica, etc.) and place it in waste containers. Do not mix with other waste. Treat the collected material as waste. Clean and ventilate the contaminated area well.

6.4 References to other sections

For information on suitable personal protective equipment, see section 8. Waste management: see section 13.

7 SECTION 7: HANDLING AND THEIR HANDLING OF SUBSTANCES AND MIXTURES

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STORAGE

7.1 Precautions for safe handling

Work in accordance with the rules of health and safety. Avoid eye and skin contamination. Keep unused containers tightly closed. Use as intended. Ensure adequate ventilation of the rooms in which the product is stored and used. Do not inhale vapours. Do not smoke

7.2 Conditions for safe storage, including information on any incompatibilities

Store only in a cool and well-ventilated place. Temperature range: 0 to 40°C (Separated from food, foodstuffs and animal feed. Avoid direct sunlight, heat sources and ignition. Separated from incompatible substances (see section 10). Packages that have already been opened seal and store upright to avoid leakage.

7.3 Specific end use(s)

See section 1.2 of the SDS.
No information on other uses.

8 SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTIVE EQUIPMENT

8.1 Control parameters

Poland:

.PL. 1-Methoxypropan-2-ol/ Propylene glycol monomethyl ether [107-98-2]	
NDS	180 mg/m ³
NDSCh	360 mg/m ³
PL:Propane-2-ol [67-63-0]	
NDS	900 mg/m ³
NDSCh	1200 mg/m ³
PL: (2-Methoxymethylethoxy)propanol – [34590-94-8]	
NDS	240 mg/m ³
NDSCh	480 mg/m ³

Legal basis:

Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the maximum allowable concentrations and intensities of factors harmful to health in the work environment Journal of Laws 2018.1286 of 2018.07.03, **as amended**[Journal of Laws 2020.61, 17.01.2020]

Regulation of the Minister of Development, Labour and Technology of 18 February 2021 amending the Regulation on the maximum allowable concentrations and intensities of factors harmful to health in the work environment [Journal of Laws of 2021, item 325]

Regulation of the Minister of Health of 2 February 2011 on research and measurement of factors harmful to health in the work environment (Journal of Laws No. 33, item 166, 2011).

European Union:

EU 1-Methoxypropan-2-ol / Propylene glycol monomethyl ether [107-98-2]			
TWA (8h)		STEL (15 minutes)	
mg/m ³	Ppm	mg/m ³	Ppm
375	100	568	150
EU:2-Methoxymethylethoxy)-propanol [34590-94-8]			
TWA (8h)		STEL (15 minutes)	
mg/m ³	Ppm	mg/m ³	Ppm
9,308	50	-----	-----

Legal basis:

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC). Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values for the implementation

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of Council Directive 98/24/EEC on the protection of the health and safety of workers from the risks related to chemical agents at work Directive 2004/37/EC of the European Parliament and of the Council of 29 April 2004 on the protection of workers from the risks related to exposure to carcinogens or mutagens at work (sixth individual Directive within the meaning of Article 16(1) of Council Directive 89/391/EEC

Commission Directive 2006/15/EC of 07 February 2006 establishing a second list of indicative occupational exposure limit values for the implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC. Directive 2004/37/EC of the European Parliament and of the Council of 29 April 2004 on the protection of workers from the risks related to exposure to carcinogens or mutagens at work (sixth individual Directive within the meaning of Article 16(1) of Council Directive 89/391/EEC) COMMISSION DIRECTIVE 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure values for the implementation of Council Directive 98/24/EC and amending the Directive Commission 2000/39/EC. COMMISSION DIRECTIVE (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU

Value and DNEL and PNEC:

Propylene glycol monomethyl ether [107-98-2]	
DNEL employees	
Inhalation of acute systemic exposure	553.5 mg/m ³
Inhalation, exposure, acute local action	553.5 mg/m ³
Skin exposure prolonged systemic action	183 mg/kg/day
Inhalation exposure prolonged systemic effects	369 mg/m ³
DNEL Consumers	
Skin exposure prolonged systemic action	78 mg/kg/day
Inhalation exposure prolonged systemic effects	43.9 mg/m ³
Ingestion exposure long-term systemic effects	33 mg/kg/day
PNEC	
Freshwater	10 mg/l (AF = 100)
Sea water	1 mg/l (AF = 1000)
Periodic release (STP)	100 mg/l (AF = 10)
Sediment (freshwater)	52.3 mg/kg
Sediment (marine waters)	5,2 mg/kg
Soil	4,59 mg/kg
Propan-2-ol [67-63-0]	
DNEL employees	
Long-term exposure	888 mg/kg/day
Inhalation long-term exposure	500 mg/m ³
DNEL Consumers	
Long-term exposure	319 mg/kg/day
Inhalation long-term exposure	89 mg/m ³
Oral ingestion long-term exposure	26 mg/kg/day
PNEC	
PNEC value Fresh water	140.9 mg/l
PNEC value Seawater	140.9 mg/l
PNEC value Sediment (freshwater)	552 mg/kg
PNEC value Sediment (marine waters)	552 mg/kg
PNEC Soil	28 mg/kg
Propylene glycol monobutyl ether [5131-66-8]	
DNEL Employees	
Inhalation of prolonged exposure; Systemic effects	147 mg/m ³
Skin exposure long-term; Systemic effects	52 mg/kg
DNEL Consumers	
Inhalation of prolonged exposure; Systemic effects	43 mg/m ³
Orally long-term exposure; Systemic effects	12,5 mg/kg
Skin exposure long-term; Systemic effects	22 mg/kg

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PNEC	
Freshwater	0.525 mg/
Sea water	0,0525 mg/l
Periodic release	5.25 mg/l
Wastewater treatment plant (STP)	10 mg/
Sediment (freshwater)	2,36 mg/kg
Sediment (marine waters)	0,236 mg/kg
Soil	0,16 mg/kg
(2-Methoxymethylethoxy)propanol [CAS 34590-94-8]	
DNEL	
Workers, skin, Long-term systemic exposure	65 mg/kg/day
Workers, inhalation Long-term systemic exposure	310 mg/m ³
Consumers, skin, Long-term systemic exposure	15 mg/kg/day
Consumers, orally, Long-term systemic exposure	1.67 mg/kg/day
Consumers, inhalation, Long-term systemic exposure	37.2 mg/m ³
PNEC	
Freshwater	19 mg/l
Sea water	1.9 mg/l
Freshwater sediment	70,2 mg/kg dry matter
Marine sediment	7,02 mg/kg dry matter
Occasional release	190 mg/l
Soil	2,74 mg/kg dry matter
Wastewater treatment plant	4168 mg/l

Recommended monitoring procedures

Procedures shall be used to monitor concentrations of hazardous components in the air and to control the air purity at the workplace - where available and justified at the workplace - in accordance with the relevant Polish or European Standards, taking into account the conditions prevailing at the site of exposure and appropriate measurement methodologies adapted to the operating conditions. The mode, type and frequency of tests and measurements should meet the requirements contained in the Regulation of the Ministry of Health of 2 February 2011 (Journal of Laws of 2011 No. 33, item 166).

8.2 Exposure control

8.2.1 Appropriate technical control measures

Necessary local and general ventilation. In the case of poor ventilation, use breath protection.

8.2.2 Personal protective equipment, such as personal protective equipment

Observe general safety and hygiene rules. During work, do not eat, drink or smoke. Ensure adequate ventilation. Before the break and after finishing work, wash your hands thoroughly. Avoid eye contamination.

Respiratory protection:

No ventilation is required for adequate ventilation. In the event of high vapour concentrations, failure or exceeding the maximum concentrations, use suitable respiratory protective equipment with a suitable organic vapour absorber.

Hand protection:

Not required. In case of prolonged and direct contact with the product, use chemical-resistant protective gloves. Recommended material for gloves: butyl rubber, nitrile rubber, neoprene.

In the case of short-term contact, use protective gloves with an effectiveness level of 2 or more (puncture time > 30 minutes). In case of prolonged contact, use protective gloves with an effectiveness level of 6 (puncture time > 480 minutes). Wear protective clothing.

The material from which the gloves are made must be impermeable and resistant to the product. The resistance of the materials from which the gloves are made must be checked before use. Information on the time of penetration of substances through the gloves should be obtained from the glove manufacturer and this time must be observed. It is recommended to change gloves regularly and replace them immediately if there are any signs of wear, damage (tearing, perforation) or changes in appearance (color, elasticity, shape).

Skin and body protection: Recommended use of typical workplace work clothing

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- Eye protection: Not required. Recommended safety glasses in case of danger of eye contamination
- 8.2.3 Environmental exposure control
Protect against introduction into the municipal water and sewage system and watercourses. Possible emissions from ventilation systems and process equipment should be checked to determine their compliance with the requirements of environmental law.

9 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Ciecz
Color:	Transparent
Odour:	Characteristic
Odour threshold:	No data available
pH:	about 5.5
Melting/freezing point:	<0oC
Initial boiling point	< 72 °C
Flash point:	Non-flammable product
Evaporation speed:	No data available
Flammability of solids, gases:	Not applicable
Upper/lower flammability/explosion limit:	Not marked
Vapour pressure:	Not determined
Vapour density:	Not marked
Relative density: approx.	0.95 g/cm ³
Solubility:	Rdrains in water
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	Not marked
Decomposition temperature:	No data available
Viscosity 240C:	Not marked
Explosive properties:	Does not create the possibility of self-explosion
Oxidizing properties:	The mixture has no oxidizing properties

9.2 Other information

No results of additional studies.

10 SECTION 10: STABILITY and REACTIVITY

10.1 Reactivity

In conditions of storage and handling as intended – no reactivity.

10.2 Chemical stability

The product in conditions of proper storage and use (from 0 to 40 degrees Celsius, without prolonged exposure of sunlight) chemically stable

10.3 Possibility of dangerous reactions

Under normal conditions of storage and use, no hazardous reactions will occur.

10.4 Conditions to avoid

High temperatures, open flame and other sources of ignition.

10.5 Incompatible materials

Strong acids, oxidising substances

10.6 Hazardous decomposition products

Depending on the conditions of decomposition, complex mixtures of chemical substances can be released as a result: carbon monoxide (CO₂), carbon monoxide and other organic compounds. For more information, see section 5.

11 SECTION 11: TOXICOLOGICAL INFORMATION

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11.1 Information on toxicological effects

Supplementary information:

No toxicological studies have been performed on this product, it has been classified according to the current classification rules for chemical mixtures. The evaluation was made on the basis of the ingredients included in the product. The mixture is not classified as hazardous to health. See Section 2 Hazard identification

Toxicity of mixture components

Propylene glycol monobutyl ether

LD50 approx. 3 300 mg/kg ingestion [rat]

LD50 > 2 000 mg/kg s (sczur)

LC50 > 3.4 mg/l 4 h inhalation (rat)

Propan-2-ol

LD50 Dermal Rat >2000 mg/kg

LD50 Oral Rat >2000 mg/kg

LD50 Inhalation >5 mg/

Propylene glycol monomethyl ether 1

LD50 dermal (Rabbit): > 2,000 mg/kg

LC50 respiratory tract (Rat): >25.8 mg/l, 6 h.

Toxicity of the mixture

Estimated acute toxicity of the mixture

ATE MIX orally (mg/kg): >2.000,0 [estimated]

ATE MIX leather (mg/kg): >2.000,0 [Estimated]

ATE MIX inhalation (mg/l/4h): >20 [estimated]

Based on the available data, the classification criteria are not met

The acute toxicity of the mixture (ATEmix) has been calculated on the basis of the relevant conversion factor contained in Table 3.1.2 of Annex I to the CLP Regulation and subsequent dates. d.

Acute toxicity

Based on the available data, the classification criteria are not met

Skin corrosion/irritation:

Based on the available data, the classification criteria are not met

Serious eye damage/eye irritation

Based on the available data, the classification criteria are not met

Respiratory or skin sensitisation

Based on the available data, the classification criteria are not met

Specific target organ toxicity – single exposure:

Based on the available data, the classification criteria are not met

Specific target organ toxicity — repeated exposure:

Based on the available data, the classification criteria are not met

Dcarcinogenic

Based on the available data, the classification criteria are not met

Dgerm cell mutagenic:

Based on the available data, the classification criteria are not met

Reproductive toxicity:

Based on the available data, the classification criteria are not met

Aspiration hazard:

Based on the available data, the classification criteria are not met

Information on likely routes of exposure

In contact with skin: DProlonged exposure may cause redness, dryness

Allergies

There is always the possibility of allergy to one or several ingredients of the product. A low irritant claim does not mean that individuals will not react unfavorably. Natural substances are particularly sensitive to seasonal and other changes that can contribute to unforeseen reactions. Unfortunately, often the only remedy in these situations is to determine the exact cause of the reaction (usually with professional medical attention) and then avoid any exposure in the future.

In contact with eyes: Lekkie redness, burning.

If swallowed: Msevere nausea, abdominal pain, vomiting.

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After inhalation:

Inhalation of vapours may cause headache and dizziness, nausea and vomiting

11.2 Information about other threats

Endocrine disrupting properties:

The components of the mixture have no effect on the functioning of the endocrine system in accordance with the assessment criteria set out in Regulations: (EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605

Other information:

They are not known

12 SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity of the mixture

The product is not classified as posing a risk to the environment.

To minimize long-term global pollution, consider the following:

- Reduce the consumption of disposable products and packaging.
- Participation in recycling activities
- Do not allow the product to enter water, sewage or soil

Toxicity of mixture components

Propylene glycol monomethyl ether

LC50 fish 6 812 mg/l /96 h Leuciscus idus

LC50 fish >= 1 000 mg/l /96 h Oncorhynchus mykiss

LC50 fish 20 800 mg/l /96 h Pimephales promelas

LC50 21100 - 25 900 mg/l /48 h Daphnia magna

ErC50 1 000 mg/l /7 days Pseudokirchne riella subcapitata

Propan-2-ol

LC50 Fish 9640 mg/l /96 h/: Pimephales promelas

EC50 Daphnia 13299 mg/l /48 h/ Daphnia magna

EC50 other aquatic organisms: > 1000 mg/l /96 h/ Desmodesmus subspicatus

LC50 Fish 11130 mg/l /96 h/ Pimephales promelas

EC50 other aquatic organisms > 1000 mg/l /72 h/ Desmodesmus subspicatus

12.2 Durability and degradability

The surfactants used in the product meet the biodegradability requirements in accordance with EC Regulation 648/2004

12.3 Bioaccumulation potential

For the mixture not specified.

12.4 No data are available for the mixture

Water soluble in any proportion

The mobility of substances depends on their hydrophilic and hydrophobic properties as well as abiotic and biotic conditions of the soil, including its structure, climatic conditions, season (in Poland, in a variable temperate climate) and soil organisms, mainly (bacteria, fungi, algae, invertebrates).

12.5 PBT and vPvB assessment results

Substances in the product are not evaluated as PBT and vPvB

12.6 Endocrine disrupting properties

It does not contain substances whose effects may have adverse effects on the environment due to endocrine disrupting properties in accordance with the criteria laid down in Regulations [(EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605]

12.7 Other harmful effects

The mixture is not classified as hazardous to the ozone layer. Other adverse effects on the environment (e.g. endocrine disrupting potential, increase in global warming) shall be considered.

13 SECTION 13: WASTE MANAGEMENT

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13.1 Waste disposal methods

Product disposal:

Do not dispose of the product together with household waste, do not enter the sewage system. Do not allow contamination of groundwater and surface water.

Dispose of in accordance with local requirements. Determine the waste code at the place of its production

Legal basis:

Act of 14 December 2012 on waste (Journal of Laws No. 0, item 21) **Consolidated text Journal of Law 2018, item 21**

Regulation of the Minister of Climate of 2 January 2020 on the waste catalogue, **Journal of Laws of 2020, item 10**

Act of 12 October 2017 amending the act on packaging and packaging waste management and some other acts Dz.U. 2017, item 2056

14 SECTION 14:TRANSPORT INFORMATION

14.1 UN number

Not applicable

14.2 Correct shipping name UN

Not applicable

14.3 Transport hazard class(s)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

The product does not pose a risk to the environment according to the criteria contained in the UN Model Regulations.

14.6 Special precautions for users

No special precautions.

14.7 Transport in bulk in accordance with Annex II to MARPOL 73/78 and the IBC Code

Not applicable.

15 SECTION 15:REGULATORY INFORMATION

15.1 Safety, health and environmental legislation specific to a substance or mixture

Warehouse in accordance with Regulation 648/2004/EC	Contains: <5% anionic surfactants; <5% anionic surfactants; fragrances, dye
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Other provisions

1. **1907/2006/EC** Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulations (EEC) No 793/93 and No 1488/94 as well as Council Directives 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
2. **1272/2008/EC Regulation 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.
3. Regulation of the Minister of Health of 20 April 2012 on the labelling of packaging of hazardous substances and hazardous mixtures and certain mixtures (Journal of Laws of 2012 No. 0, item 445). **Consolidated text Journal of Law 2015, item 450**
4. Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the maximum allowable concentrations and intensities of factors harmful to health in the work environment Journal of Laws 2018.1286 of 2018.07.03
5. Act of 24 November 2017 amending the act on waste and some other acts, Journal of Laws of 2017, item 2422
6. Act of 12 October 2017 amending the act on packaging and packaging waste management and some other acts, Journal of Laws of 2017, item 2056
7. Act on the transport of dangerous goods of 19 August 2011 (Journal of Laws 227; item 1367) Consolidated text Journal of Law 2020, item **154,875**

LA A V G L A S S C L E A N E R

SAFETY DATA SHEET

LAAV

LAAV GLASS CLEANER

Date of update: 16.05.2023

VERSION: 3.0/EN
replaces the version of: 01.12.2020r

drawn up in accordance with Commission Regulation (EU) No 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

8. Government Declaration of 15 February 2021 on the entry into force of amendments to Annexes A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), done at Geneva on 30 September 1957 (**Journal of Laws of 2021, item 874**)

15.2 Chemical safety assessment

The supplier has not carried out a chemical safety assessment. For a mixture, a safety report is not required.

16 SECTION 16: OTHER INFORMATION

Other data sources:

IUCLID Data Bank (European Commission – European Chemicals Bureau).

ESIS – European Chemical Substances Information System (European Chemicals Bureau).

Person drawing up the card:	Malgorzata Krenke, M.A.	Based on the safety data sheet of suppliers. Calculation method
Card issued by:	"Feed Reach Consulting" www.frc.com.pl	

The above information was based on currently available data characterizing the product and the experience and knowledge possessed in this area by the manufacturer. The data contained in the Charter should be considered only as an aid to the safe handling of transport, distribution, use and storage. The card is not a certificate of product quality. And the information contained in the Charter applies only to the eponymous product and cannot be current or sufficient for this product used in combination with other materials or different applications. The user of the product is obliged to comply with all applicable standards and regulations and is also liable for improper use of the information contained in the Charter or improper use of the product

H-phrases (indicating hazard) used in points 2 and 3. Safety data sheets:

H315	Irritating to the skin;
Skin Irrit. 2	Skin irritation Hazard category 2
H226	Flammable liquid and vapour
Flam. Liq. 3	Flammable liquids, Hazard category 3
H319	Irritating to the eyes.
Eye Irrit. 2	Eye irritation Hazard category 2
H318	Causes serious eye damage
Eye Dam 1	Serious eye damage/eye irritation, Hazard category 1
H400	Very toxic to aquatic organisms.
H336	May make you feel drowsy or dizzy.
STOT SE 3	Specific target organ toxicity – following single exposure Hazard category 3.
H412	It is harmful to aquatic organisms, causing long-lasting effects.
Aquatic Chronic 3	Causing a hazard to the aquatic environment Exposure category 3
H225	Highly flammable liquid and vapour
Flam. Liq. 2	Flammable liquid Hazard category 2

Explanation of abbreviations and acronyms

NDS	Maximum concentration at the workplace (TLV-TWA) (OEL-TWA) (PEL-TWA)
NDSch	Maximum instantaneous concentration (TLV-STEL)
NDSP	Maximum Ceiling Concentration (TLV-CL)
LD ₅₀	Dose at which 50% of test animals are observed to die
LC ₅₀	Concentration at which 50 % of test animals die
EC _x	Concentration at which X % reduction in growth or growth rate is observed

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CAS number	A numerical designation assigned to a chemical by the U.S. Chemical Abstracts Service (CAS) to identify the substance.
EC/EC number	Means the assigned number of a chemical substance in the European Inventory of Existing Commercial Substances (EINECS – European Inventory of Existing Chemical Substances), or the assigned number of a substance in the European List of Notified Chemical Substances (ELINCS – European List of Notified Chemical Substances), or chemical substance number in the publication 'No-longer polymers'.
GHS	Globally Harmonized System of Classification and Labelling of Chemicals (GHS, GHS UN)
UN number	Material identification number in accordance with the ADR agreement.
ADR	International Convention concerning the Carriage of Dangerous Goods and Goods by Road
RID	Regulations for the International Carriage of Dangerous Goods by Rail).
IMGD	International Dangerous Goods Code.
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
MARPOL	International Convention for the Prevention of Pollution from Ships (MARPOL)
Ems	Emergency response procedures for ships carrying dangerous goods

Training

Before working with the product, the user should familiarize himself with the health and safety rules regarding the handling of chemicals, and in particular undergo appropriate on-the-job training

VERSION: 3.0

Changes in Sections: 1-16