SAFETY DATA SHEET

Based on the Decree Commission (EU) 2020/878 of 18 June 2020

GLASS-Glass Cleaner

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

1.1. Product ID

Trade name: **GLASS - Glass Cleaner**

UFI: 6P20-N0C8-F001-A7W8

1.2. Relevant identified uses of the substance or mixture and uses advised against

Application: Glass surface cleaner

Uses advised against: No uses advised against

1.3. Details of the supplier of the myCARe safety data sheet

st. Smolenska 41

85-471 Bydgoszcz

email: deturner@deturner.com

1.4. Emergency telephone number

National emergency telephone number: 112

Emergency telephone number in Poland (8:00 – 16:00): +48 509 09 77 77

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation 1272/2008 (CLP)

Eye Irrit. 2

H319 Causes serious eye irritation.

2.2. Marking elements

Labeling according to EC regulation 1272/2008

Signal word ATTENTION

Pictograms

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

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

P102 Keep away from children.

P103 Read the label before use.

Prevention

P280 Wear protective gloves/protective clothing/eye protection

Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage
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Removal
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Detergent content according to Regulation 648/2004/EC:

< 5% non-ionic surfactants
Fragrance composition (HEXYL CINNAMAL, CINNAMAL, LINALOOL)

2.3. Other threats

No data

SECTION 3: Composition/information on ingredients

3.1. Substances - Not applicable

3.2. Mixtures

Chemical nature: mixture

Substance name	ID	Classification 1272/2008		wt. %
Propan-2-ol [2]	Index: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 register no. REACH: 01-2119457558-25-XXXX	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336	5-8
2-Butoxyethanol [2][3]	Index 603-014-00-0 CAS: 111-76-2 EC: 203-905-0 register no. REACH 01-2119475108-36-XXXX	Acute Tox. 4 Acute Tox. 4 Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2	H302 H312 H332 H315 H319	3-5
Alcohols, C12-14, ethoxylated	Index: -- CAS: 68439-50-9 EC: polymer	Eye Dam. 1 Acute Tox. 4 Aquatic Chronic 3	H318 H302 H412	<0.3

Comments

The full meaning of the H-phrases is included in section 16
[1] Specific concentration limits, ATE
2-Butoxyethanol
inhalation: ATE = 3 mg/L (vapours); oral: ATE = 1,200mg/kg b.w
[2] Substances with national occupational exposure limits
[3] Substances with EU workplace exposure limits
[4] SVHC: substances listed in accordance with Art. 59 sec. 1

SECTION 4: First aid measures

4.1. Description of first aid measures

Consequences of inhalation

Take the injured person to fresh air.
Provide medical attention if necessary.

Consequences of ingestion

Rinse mouth with plenty of water. Do not induce vomiting - aspiration hazard. Do not give anything to swallow to an unconscious person. Provide medical attention if necessary.

Contact with eyes

Remove contact lenses.
Immediately flush contaminated eyes with plenty of lukewarm water for 10-15 minutes, keeping the eyelids open.
Avoid strong stream of water - risk of corneal damage.
Provide medical attention if necessary.

Skin contact

Remove contaminated clothing and shoes.
Clean contaminated skin, wash with plenty of water and then with mild soap and water.
If skin irritation persists, consult a dermatologist.

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

No data available

4.3. Indication of any immediate medical attention and special treatment needed

injured persons

The means of pre-medical assistance should be available in the workplace.

SECTION 5: Firefighting measures

5.1. Extinguishing

media Suitable extinguishing media for extinguishing fires in the
vicinity: sprayed water, carbon dioxide CO2, extinguishing powders, extinguishing foam.

Unsuitable extinguishing media

Do not use dense streams of water on the surface of the burning object.

5.2. Special hazards arising from the substance or mixture

Specific hazards during fire During
combustion, toxic products of thermal decomposition are formed, including: carbon monoxide and dioxide (COx).

Explosion hazards:
Undefined.

5.3. Advice for firefighters Use
standard chemical firefighting methods.
Cool containers exposed to high temperature with water and, if possible, remove them from the endangered area.

Precipitate vapors of the product with dispersed streams of water.

Protective equipment of firefighters

Clothes resistant to high temperatures.
Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures Ensure adequate
ventilation. Avoid contact with eyes and skin. Use appropriate protective equipment. Remove all sources of ignition.
Move away people not equipped with personal protection.
In case of release of a larger amount of the mixture, warn its users and order bystanders to leave the contaminated area.

6.2. Environmental precautions Prevent contamination
of the environment.
Secure drains.
In the event of serious contamination of the watercourse, sewage system or ground contamination, notify the relevant administrative and control authorities and rescue organizations.

6.3. Methods and materials for containment and cleaning up Secure damaged packaging.

Ventilate the affected area and avoid inhaling vapours.
Pick up mechanically and with non-combustible absorbent materials (e.g. earth, dry sand, diatomite,

vermiculite). Collect small amounts with a cloth or disposable towels.

The mass collected from the environment should be placed in a replacement container and sent for disposal in accordance with local regulations.

Wash the contaminated surface with plenty of water.

6.4. Reference to other sections

Personal protective equipment: section 8

Disposal methods: section 13

SECTION 7: Handling and storage of substances and mixtures

7.1. Precautions for safe handling Recommendations when handling the mixture

Provide adequate ventilation.

Avoid contact with eyes and skin.

Avoid breathing vapours/aerosols.

The general rules of industrial occupational hygiene apply.

Do not eat, drink or smoke while using the product.

Wash hands and face before work breaks.

Remove all sources of ignition.

After work, wash the body surface and clean personal protection.

Replace contaminated clothing.

Wash contaminated clothing before reuse.

Provide easy access to running water.

Tips on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. Do not smoke.

7.2. Conditions for safe storage, including any incompatibilities

Storage rooms must be efficiently ventilated.

Keep only in original containers.

Do not store containers above 30°C.

Protect against sunlight and strong sources of heat. Protect against moisture.

Keep containers tightly closed in a cool, dark and dry place.

Keep away from food, drink and animal feed.

Do not use until all safety precautions have been read and understood.

7.3. Specific end use(s) Not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters National occupational exposure limits

In accordance with the Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the highest permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286, as amended)

SUBSTANCE	CAS No	NDS (mg/m3)	NDSCh (mg/m3)	NDSP (mg/m3)	Comments
Propane-2-ol	67-63-0	900	1200	--	skin
2-Butoxyethanol	111-76-2	98	200	--	skin

DNEL Propan-2-ol

Type	Exposure	Value	Population

DNELs	Long-lasting Dermal	888 mg/kg bw/day	Employees
DNELs	Long-term Inhalation	500 mg/m³	Employees
DNELs	Long-lasting Dermal	319 mg/kg bw/day	consumers
DNELs	Long-term Inhalation	89 mg/m³	consumers
DNELs	Long term Oral	26 mg/kg bw/day	consumers
PNEC	Sweet water	140.9 mg/l	
	Maritime	140.9 mg/l	
	Freshwater sediment	552 mg/kg	
	Sediment in sea water	552 mg/kg	
	Soil	28mg/kg	

8.2. Exposure control

Appropriate engineering controls

Storage rooms and workstations must be efficiently ventilated to keep the concentration of vapors in the air below their limit values. In the event of a threat or when the concentration of the substance at the workplace is unknown, use personal protective equipment isolating the body

Individual protection measures

Eye/face protection

Wear safety glasses in accordance with EN 166.

Eye wash bottle with clean water or eye washers near the work area.

Skin protection

Hand protection

Use protective gloves resistant to the product in accordance with EN 374.

It is recommended to regularly change the gloves and replace them immediately if there are signs of wear, damage (tears, holes) or changes in appearance (color, elasticity, shape).

Familiarize yourself with the resistance (breakthrough time, rate of permeation and degradation) to chemicals and the duration of use.

In case of prolonged direct exposure, gloves should be worn. butyl rubber >0.7 mm (breakthrough time 480 min)

In case of short-term direct exposure, nitrile rubber/nitrile latex gloves >0.4 mm (breakthrough time 30 min) should be used.

Skin protection

Chemical protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance in the specific work environment.

Respiratory protection

With adequate ventilation, it is not required.

When exposed to high concentrations of product vapors and in emergency situations, use respiratory protection.

Environmental exposure controls

Do not discharge into drains or the environment.

General safety and hygiene instructions

Follow good personal hygiene practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Color:	According to the specification
Smell:	According to the specification
Melting point/freezing point:	No data

Boiling point or initial boiling point and boiling range:	No data
Flammability of materials:	No data
Lower and upper explosive limits:	No data
Flash-point:	No data
Temperature of self-ignition:	No data
Decomposition temperature: pH:	No data 6
Kinematic viscosity:	No data
Solubility:	No data
Partitioning coefficient n-octanol/water (log coefficient value):	No data
Vapor pressure:	No data
Density or Relative Density:	No data
Relative Vapor Density:	No data
Particle characteristics:	Not applicable

9.2. Other informations

Physical hazard class information

No data

Other safety features

No data

SECTION 10: Stability and reactivity

10.1. Reactivity

Under conditions of proper storage and use, the mixture is not chemically reactive.

10.2. Chemical stability

Under proper storage conditions, the mixture is chemically stable.

10.3. Possibility of hazardous reactions No data available

10.4. Conditions to avoid Avoid strong sources of heat.

Do not store above 30 °C.

10.5. Incompatible **materials**

Not available

10.6. Hazardous decomposition products

Undefined.

SECTION 11: Toxicological information

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

Acute toxicity

propan-2-ol

LD50 Dermal Rabbit 12800 mg/kg

LD50 Oral Rat 5000 mg/kg

Result	Species	Exposure
Eyes - Moderate irritant	Rabbit	24 hours
Eyes - Moderate irritant	Rabbit	100 milligrams
Eyes - Strong irritant	Rabbit	10 milligrams
Skin - Causes mild irritation	Rabbit	100 milligrams 500 milligrams

Skin corrosion/irritation
Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation
Irritating to eyes.
Respiratory or skin sensitisation
Based on available data, the classification criteria are not met.
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.
Aspiration hazard
Based on available data, the classification criteria are not met.

11.2. Information about other threats

No data

SECTION 12: Ecological information

12.1. Propan-2-ol

toxicity
Acute toxicity
LC50 1400000 µg/L
sea water
Shellfish - Crangon crangon 48 hours
Acute toxicity
LC50 >1400000ug/L
Fish - Gambusia affinis - 20 to 30 mm 96 hours

12.2. Persistence and degradability

The surfactants contained in this product comply with the biodegradability criteria of Regulation (EC) No 648/2004 on detergents.

12.3. Bioaccumulative potential

propan-2-ol LogPow 0.05

12.4. Mobility in the soil

Undefined.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data

12.7. Other harmful effects

No data

SECTION 13: Disposal considerations

13.1. Waste disposal methods

Product and packaging used during professional use should be disposed of as hazardous waste; deliver to the authorized enterprise. Empty containers or their liners may retain debris

product. Empty the packaging completely.
Avoid contact of the material with soil, waterways, drains and sewers

Waste code

Act of 14 December 2012 on waste (consolidated text: Journal of Laws 2022 item 699)
Regulation of the Minister of Climate of January 2, 2020 on the catalog of waste (Journal of Laws 2020, item 10)
The waste code must be assigned individually at the place of waste generation, depending on the industry of the place of use.

Proposed waste code of the mixture: 20
01 29* Detergents containing dangerous substances

SECTION 14: Transport information

14.1. UN number or ID number 14.2. UN proper	Not applicable
shipping name 14.3. Transport hazard	Not applicable
class(es).	Not applicable
Warning sticker **14.4.**	Not applicable
Packing group 14.5.	Not applicable
Environmental hazards 14.6.	NO
Special precautions for user 14.7. Sea freight in bulk	Not applicable
according to instruments	Not applicable
IMO	

SECTION 15: Regulatory information

15.1. Substance-specific safety, health and environmental legislation or mixtures

The safety data sheet was developed on the basis of:

- Regulation (EC) No. 1907/2006 PEiR of December 18, 2006. on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a 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

- Regulations (EC) No. 1272/2008 of 16.12.2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No. 1907 /2006 as amended

ÿ 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 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

- Act on substances and their mixtures of February 25, 2011. (consolidated text: Journal of Laws 2020, item 2289 as amended changes)
- Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286, as amended)

- Act of 14 December 2012 on waste (consolidated text: Journal of Laws 2022 item 699)
ÿ Regulation of the Minister of Climate of January 2, 2020 on the catalog of waste (Journal of Laws 2020 item 10)
- Regulation of the Minister of Labor and Social Policy of September 26, 1997 on general provisions occupational health and safety (consolidated text: Journal of Laws of 2003, No. 169, item 1650, as amended)
- Regulation of the Minister of Health of 30 December 2004 on occupational health and safety related to presence of chemical agents in the workplace (consolidated text: Journal of Laws of 2016, item 1488)
- Classification of dangerous goods in accordance with the European Agreement on International Road Carriage dangerous goods (ADR)

15.2. Chemical safety assessment Not available

SECTION 16: Other information

Meaning of H-phrases in section: 3

H225 Highly flammable liquid and vapour
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H304 Swallowing and entering the respiratory tract may be fatal
H315 Irritating to the skin.
H318 Causes serious eye damage
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects

Training Tips

Before use, read the safety data sheet and the health and safety rules regarding the handling of chemicals. Persons involved in the transport of hazardous materials under the ADR agreement should be properly trained in the scope of their duties.

Explanation of abbreviations and acronyms used in the safety data sheet

CAS (Chemical Abstracts Service)
The EC number stands for one of the three numbers listed below:
• number assigned to the substance in the European Inventory of Existing Commercial Substances (EINECS) • number assigned to the substance in the European List of Notified Substances (ELINCS)
• number in the list of chemical substances listed in the publication of the European Commission "No-longer polymers" (NLP)
NDS - the highest permissible concentrations of substances harmful to health in the work environment
STEL - the highest permissible temporary concentration
NDSP - the highest permissible ceiling concentration
UN No. - Material identification number (UN number, UN number)
ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road RID - Regulations for the International Carriage of Dangerous Goods by Rail IMDG - International Maritime Code for Dangerous Goods
IATA - International Air Transport Association
vPvB (Substance) Very persistent and very bioaccumulative
PBT (Substance) Persistent, bioaccumulative and toxic
LD50 Dose at which death of 50% of test animals is observed
LC50 Concentration at which death of 50% of test animals is observed
ECX Concentration at which an X % decrease in growth or growth rate is observed
NOEL The highest concentration of a substance at which no effects are observed
BOD Biochemical Oxygen Demand (BOD) - Biochemical Oxygen Demand COD Chemical Oxygen Demand (COD) - Chemical Oxygen Demand
ThOD Theoretical Oxygen Demand

Other sources of information

IUCLID - International Uniform Chemical Information Database
ECHA - Database of substances registered in accordance with REACH
ECHA - C&L Inventory

Other informations

The product described in the safety data sheet should be stored and used in accordance with good industrial practice and in accordance with all legal regulations.
The information contained in the safety data sheet, based on the current state of knowledge, is intended to describe the product from the point of view of legal regulations in the field of safety, health and environmental protection. They should not be understood as a guarantee of specific properties.
The user is responsible for creating conditions for safe use of the product and it is the user who takes responsibility for the consequences resulting from the improper use of this product.