



SAFETY INSTRUCTIONS

Data aktualizacji: 05.03.2020 r.

Wersja: 1.1/PL

GLASSOCLEAN

[Prepared in accordance with EC regulation 1907/2006 (REACH) and 453/2010, 1272/2008, (CLP)]

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

1.1 Product identifier

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

Identified use: liquid for cleaning glass, mirrors and other glass surfaces.

Uses advised against: not specified.

1.2. Details of the supplier of the safety data sheet

Manufactured upon the order of the owner TM IGOCHEM IGOSA Sp.z o.o

Address: ul. Gliwicka 3 , 40-079 Katowice, Polska

Telephone: +48 (32) 131 48 93

E-mail : info@igochem.com

1.4. Emergency telephone number

112 (general emergency telephone), 998 (fire department), 999 (medical emergency)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The mixture is not considered hazardous.

2.2. danger signs Lettering and hazard identification

The product is not classified as hazardous according to current regulations. The names of hazardous ingredients are on the label. Missing. Determining the type of hazard. The product is not classified as hazardous according to current regulations. Conditions regarding the correct handling of the mixture. The product is not classified as hazardous according to current regulations. Additional Information: Contains: Aromatic composition (Parfum).

2.3. Other threats

The substances contained in the product do not meet the PBT criteria or Annex XIII of the REACH Regulation.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixtures

No WE	No CAS	No registration	Component	Percent concentration	Designation acc. 1272/2008/WE
902-053-3	-	01-211952923052-xxxx	Mixture of alcohols C2 i C3	<10%	Eye Irrit.2 H319; STOT SE.3 H336; Flam.Liq.2 H225
225-878-4	5131-66-8	01-2119475527-28xxxx	1-butoksypropan-2-ol ¹	<2%	Eye Irrit.2 H319; Skin Irrit.2 H315

The full text of H phrases is given in section 16 of the SDS

11 substance with specified Occupational Exposure Limits at the national level.



SAFETY INSTRUCTIONS

Data aktualizacji: 05.03.2020 r.

Wersja: 1.1/PL

GLASSOCLEAN

SECTION 4: FIRST AID MEDICINES

4.1. Description of first aid measures

Inhalation:

Remove the victim to fresh air.

Skin contact:

Wash skin with soap and water. In case of any skin reaction, please consult a doctor. Eye contact: In case of contact with eyes, rinse with plenty of water. Rinse with open eyes for 10 minutes. Avoid strong jets of water - risk of mechanical damage to the cornea. If irritation occurs, consult an ophthalmologist.

Esophagus:

Rinse your mouth with water. If you feel unwell or have any other side effects, contact your doctor.

4.2. The most important symptoms, both acute and delayed, and the effects of injury

Airways:

Exposure in this manner does not generally cause adverse health effects.

Skin contact:

Exposure in this manner does not cause adverse health effects.

Eye contact:

Redness, tearing.

Esophagus:

There is no data.

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

The doctor decides about the procedure to be followed after a thorough assessment of the injured person's condition. Symptomatic treatment

SECTION 5: PROCEDURES IN CASE OF FIRE

5.1. Fire-fighting equipment

Appropriate extinguishing media: Water spray, alcohol-resistant foam, snow or powder fire extinguisher. Unsuitable extinguishing media: Concentrated, powerful flow of water - the risk of spreading fire.

5.2. Special hazards arising from the substance or mixture

As a result of heating, trace amounts of carbon oxides can be released.

5.3. Information for fire brigades

Use general fire protection measures. Do not stay in the danger area without proper equipment. The fire extinguishing method must be adapted to the environment. Containers at risk of fire cool with a jet of water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

In the event of an accident, unauthorized access must be restricted until the cleanup procedures are completed. Make sure that the consequences of the accident are eliminated only by trained personnel. Avoid eye and skin contamination

6.2. Measures to protect the environment

The product is not dangerous for the environment.

6.3. Methods and material for containment and cleaning up in case of accidental spillage

Spillage should be collected with absorbent inert material. This material is treated as waste, closed in the described containers. Remaining material should be washed with water.

6.4. Links to other sections

Personal Protective Equipment: Section 8 of this Instruction. Waste disposal: Section 13 of this manual.



SAFETY INSTRUCTIONS

Data aktualizacji: 05.03.2020 r.

Wersja: 1.1/PL

GLASSOCLEAN

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

Work in accordance with the principles of safety and hygiene. Avoid contamination of eyes and skin. Do not eat, drink or smoke while using the product. Wash your hands with soap and water after finishing work. Keep unused containers tightly closed.

7.2. Conditions for safe storage, including information on possible incompatibilities

Store in original, tightly closed containers in a well-ventilated area.

7.3. Prescribed use

Glass and mirror cleaner.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Substance	DNEL leather [mg/kg]	DNEL ing. [mg/m ³]	NDS [mg/m ³]	NDSch [mg/m ³]	NDSP [mg/m ³]
1-butoksypropan-2-ol	16	33,8	-	-	-
etanol	-	-	1900	-	-
propan -2-ol	-	-	900	1200	-

Recommended monitoring procedures:

Procedures should be used to control the concentration of hazardous substances in the air and to control the cleanliness of the air in the workplace. The guidelines contained in Polish and European standards must be followed, taking into account the conditions prevailing at the site of exposure. Measurement methods must be adapted to the working conditions in the plant. The mode, type and frequency of tests and measurements are specified in the decree of the Minister of Health of February 2, 2011 (Journal of Laws No. 33, item 166).

8.2 Exposure controls.

Observe the general principles of safety and hygiene. Wash your hands thoroughly while using the drug and immediately after use. Do not eat or drink while using the product. If protective clothing becomes soiled, wash it before next use. Skin protection: not required. Eye protection: not required. Respiratory protection: Respiratory protection not required. Environmental exposure controls: The product is not harmful to the environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Condition at 20°C - liquid

Color - colorless

Odor characteristic pH 8.0-8.6 Boiling point - No data

Flash point - No data

Explosion hazard - not applicable

Oxidizing properties - not applicable

Vapor pressure - No data

Relative density 0.990-0.992 g/ml Solubility in water Solubility in others Fully soluble solvents

Partition coefficient - No data

available n-octanol/water (log) - No data

Vapor density - No data

Evaporation rate - No data

Viscosity at 25°C - No data



SAFETY INSTRUCTIONS

Data aktualizacji: 05.03.2020 r.

Wersja: 1.1/PL

GLASSOCLEAN

9.2. Other information

No additional test results.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is not reactive.

10.2. Chemical stability

The product is chemically stable under recommended conditions of use and storage.

10.3. Possibility of hazardous reactions

Under recommended conditions of use and storage, no hazardous reactions should occur.

10.4. Unfavourable conditions

Heat.

10.5. Incompatible substances

There is no data

10.6. Hazardous decomposition products

Exposure to high temperatures may release trace amounts of carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Component toxicity 1-butoxypropane -2-ol [CAS: 5131-66-8]:

Acute oral toxicity: LD50=3300 mg/kg, rat

Acute dermal toxicity: LD50> 2000 mg/kg, rabbit

Acute inhalation toxicity: LD50 > 3.5 mg/l/4h, rat

Etanol (CAS: 64-17-5):

Acute oral toxicity: LD50=7060 mg/kg, rat;

LD50=6300 mg/kg, rabbit;

LD50=3450 mg/kg, mouse; LDLO= 1400 mg/kg, human;

LDLO= 5500 mg/kg, dog.

Acute inhalation toxicity: LC50=20000, 4h Propan-2-ol (CAS: 67-63-0):

Acute oral toxicity: LD50=5045 mg/kg, rat; LD50=6410 mg/kg, rabbit; LD50=3600 mg/kg, mouse; LDLO=3570 mg/kg, human;

LDLO=5272 mg/kg, mężczyzna; LDLO=1537 mg/kg, dog.

Acute inhalation toxicity: LC50=16970, 4h

Acute dermal toxicity: LD50=12800 mg/kg, rabbit mixture toxicity.

The mixture has not been tested. All properties are based on information about the ingredients of the mixture. Acute toxicity: Based on available data, the classification criteria are not met.

Irritant effects: Based on available data, the classification criteria are not met.

Sensitizing effects: There is a possibility of an allergic reaction. Repeated Dose Toxicity: Based on the available data, the classification criteria were not met.

Carcinogenicity: Based on available data, the classification criteria are not met. Mutagenicity: Based on available data, the classification criteria are not met. Reproductive toxicity: Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Component toxicity 1-butoxypropane -2-ol [CAS: 5131-66-8]:



SAFETY INSTRUCTIONS

Data aktualizacji: 05.03.2020 r.

Wersja: 1.1/PL

GLASSOCLEAN

Acute fish toxicity: LC50=560-1000 mg/l/96h, Poecilia reticulata Daphnia acute toxicity: LC50> 1000 mg/l/48h,

Daphnia magna

Aquatic plant toxicity: EC50> 1000 mg/l/96h, Selenastrum capricornutum Toxicity to microorganisms: EC50> 1000mg/l/3h, bacteria Etanol (CAS: 64-17-5): Toxicity to fish: LC50 >100 mg/l/96h, Pimephales promelas, LC50=13000 mg/l/96h, Oncorhynchus mykiss.

Daphnia toxicity: EC50=2 mg/l/48h; 9.3 mg/l/48h; >100 mg/l/48h Daphnia magna; LC50 >100 mg/l/48h Propan-2-ol (CAS: 67-63-0): Toxicity to fish: EC50= 10000 mg/l/48h, Pimephales promelas; LC50=6550 mg/l/96h; 9640 mg/l/96h; 10400 mg/l/96h; 11130 mg/l/96h, Pimephales promelas; LC50> 1400 mg/l/96h, Lepomis macrochirus

Mixture toxicity

The mixture has not been tested. However, it is not classified as hazardous to the environment.

12.2. Persistence and degradability

The components of the mixture are largely biodegradable.

12.3. Bioaccumulative potential

Inability to accumulate in living organisms

12.4. Mobility in soil

The product is soluble in water. Thus, it can migrate with it to deeper parts of the soil.

12.5. PBT and vPvB assessment results

Not tested.

12.6. Other side effects

There is no data.

Section 13: Disposal considerations

13.1. Waste disposal methods

Blend Recommendations Dispose of in accordance with current regulations. Keep leftovers in the original packaging. Do not empty into sewer. The waste code must be indicated at the place of its production.

Recommendations for used packaging Recovery / disposal / disposal of packaging waste must be carried out in accordance with applicable regulations. Carefully empty the packaging from the remnants of the hazardous drug. After thorough cleaning, the packaging can be recycled (cleaning agent - water). Community legislation: Directives of the European Parliament and of the Council: 2008/98/EC and 94/62/EC. National legal acts: Journal of Laws 2001, no. 62, item 628 s later amended 2001, no. 63, item 638 as amended e.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number (UN number)

Not used

14.2. Correct shipping name

Not used

14.3. Transport hazard class(es)

Not used

14.4. Packing group

Not used

14.5. Threats to the environment

Not used

14.6. Special Precautions for Users

Do not hesitate

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

Not used



SAFETY INSTRUCTIONS

Data aktualizacji: 05.03.2020 r.

Wersja: 1.1/PL

GLASSOCLEAN

Section 15: Regulatory Information

15.1. Safety, health and environmental regulations specific to the substance and mixture

Law of 25 February 2011 on Chemical Substances and Their Mixtures (Journal of Laws no. 63, item 322).

Decree of the Minister of Health of April 20, 2012. On the labeling of packaging of hazardous substances and hazardous mixtures and certain mixtures (Journal of Laws No. 79, item 445).

Ordinance of the Minister of Health of 10 August 2012 On criteria and methods for the classification of chemicals and their mixtures. Ordinance of the Minister of Labor and Social Policy of 06/06/2014 On the maximum permissible concentrations and intensity of components harmful to health in the working environment. Government Declaration of 16 January 2009 Concerning the entry into force of the 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 No. 27, paragraph 162). Law of May 11, 2001 on packaging and packaging waste (Journal of Laws No. 63, item 638, as amended).

Decree of the Minister of Economy of 21 December 2005 on the basic requirements for personal protective equipment (Journal of Laws no. 259, item 2173). 1907/2006/EC Regulation on the Registration, Evaluation, Authorization and Use of Restrictions on Chemicals (REACH), establishing the European Chemicals Agency, amending Directive

1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and No. 1488/94 as well as Council Directive

76/769/EEC and Commission Directive 91/155/EEC, 93/67/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended d.

1272/2008/EC Regulation of the European Parliament and of the Council of 16 December 2008 on the 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 .

1999/45/EC Directive of the European Parliament and of the Council of 31 May 1999 on the approximation of the laws, regulations and administrative provisions of the Member States concerning the classification, packaging and labeling of dangerous preparations. **790/2009 / EU** Commission Regulation of 10 August 2009 adapting to scientific and technological progress Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on the classification, labeling and packaging of substances and mixtures.

2006/12/EC Directive of the European Parliament and of the Council of 5 April 2006 on waste.

94/62/EC Directive of the European Parliament and of the Council of 20 December 1994 on packaging and packaging waste.

648/2004/EC Regulation of the European Parliament and of the Council of 31 March 2004 on detergents and later

15.2. Chemical Safety Assessment

Not specified

Section 16: Other information

Full text of H-Statements from Section 3. Safety Instructions.

H225 - Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

Explanation of abbreviations and abbreviations

NDS - maximum permissible concentration

NDSCh - maximum allowable instantaneous concentration

NDSP - maximum allowable concentration in the ceiling

DNEL - derivatives without exposure levels.

vPvB - (Substance) Very persistent and very bioaccumulative PBT - (Substance) Persistent, bioaccumulative and toxic.

Skin Irrit. 2 - Skin irritation cat. 2.

Eye irritation 2 - Eye irritation cat. 2.

Flam. Liq.2 is liquid, flammable, category 2.

STOT SE.3 - Specific target organ toxicity - single exposure, category 3.



SAFETY INSTRUCTIONS

Data aktualizacji: 05.03.2020 r.

Wersja: 1.1/PL

GLASSOCLEAN

The above information has been created on the basis of currently available data characterizing the product, as well as the experience and knowledge that the manufacturer has. It does not represent a qualitative description of a product or a promise of specific properties. It should be regarded as an aid to safe handling during transport, storage and use of the product.

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