

**SAFETY DATA SHEET**Revision Date/ No:0.0  
Issue Date: 11.08.2022  
Form No:239

According to Regulation (EU) No 2015/830

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier****Product name** POLO GLASS CLEANER**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Glass Cleaner**1.3. Details of the supplier of the safety data sheet****Manufacturer** Kozmo Kimya San. Ve Dış Tic. Ltd. Şti  
Velimeşe Organize Sanayi Bölgesi  
212. Sok. No :1/1  
Ergene/TEKİRDAĞ**Contact Person** Gökce Mollaoğlu**1.4. Emergency telephone number****Kozmo Kimya San. Tic. A.Ş:** +90 282 676 46 80 (08:30-19:00)  
+90 507 392 94 15**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

Physical and Chemical Hazards	Flam. Aerosol 1- H222+H229
Human health	Not classified.
Environment	Not classified.

**2.2. Label elements**

Label In Accordance With (EC) No. 1272/2008

**Signal Word** Danger**Hazard Statements**

H222	Extremely flammable aerosol..
H229	Pressurised container: May burst if heated.

**Precautionary Statements**

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P211	Do not spray on an open flame or other ignition source
P251	Do not pierce or burn, even after use.
P260	Do not breathe fumes, mists, vapours or spray.
P264	Wash contacted areas thoroughly after handling.
P280	Wear protective gloves, protective clothing and eye or face protection.
P410+412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with national regulations.

### 2.3. Other hazards

May cause skin and eye irritation.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Materials

Does not apply.

### 3.2. Mixtures

Name	CAS No.	Content	Classification (EC 1272/2008)
BUTANE	106-97-8	%2.00 - 4.00	Flam. Gas 1, H220 Liq.Gas, H280
ISOBUTANE	75-28-5	%1.00 - 3.00	Flam. Gas 1, H220 Liq.Gas, H280
PROPANE	74-98-6	%1.00 -3.00	Flam. Gas 1, H220 Liq.Gas, H280
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	%0.5 – 1.5	Acute Tox. category 4 H332 Acute Tox. category 4 H312 Acute Tox. category 4 H302 Skin Irrit. category 2 H315 Eye Irrit. category 2 H319
MORPHOLINE	110-91-8	%0.10– 0.30	Flam. Liq. 3, H226 Skin Corr. 1B, H314 Acute Tox. 3 H331 Acute Tox. 3, H311 Acute Tox. 4, H302
SODIUM BENZOATE	532-32-1	%0.05 – 0.15	Eye Irrit. 2, H319
SODIUM LAURYL SULFATE	151-21-3	%0.30 – 0.80	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
CITRAL	5392-40-5	%0.01 – 0.02	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
d-LIMONENE	5989-27-5	%0.005 – 0.01	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

The Full Text for all Hazard Statements are Displayed in Section 16.

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### Composition Comments

- The data shown are in accordance with the latest EC Directives.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### **Inhalation**

Remove from exposure, taking care to avoid inhaling vapours. Obtain medical attention if symptoms appear.

#### **Ingestion**

In the unlikely event of ingestion, obtain medical attention immediately.

#### **Skin contact**

Obtain medical attention if soreness or redness persists.

#### **Eye contact**

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open.

Remove contact lenses if possible.

Obtain medical attention..

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

**Inhalation** : Inhalation of high vapour concentrations may cause transient irritation of the respiratory tract, headache, nausea.

**Ingestion** : Swallowing may have the following effects: central nervous system depression, nausea/vomiting, symptoms similar to alcoholic beverage intoxication.

**Skin contact** : Material may cause slight irritation on prolonged or repeated contact.

**Eye contact** : Liquid or vapour may cause eye irritation.

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

Treat Symptomatically. No special measures required. Treat symptomatically

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### **Extinguishing media**

Carbon dioxide. Dry chemical powder.

Use water spray or fog nozzle to keep cylinder cool. Move cylinder away from fire if there is no risk.

### 5.2. Special hazards arising from the substance or mixture

#### **Specific hazards**

Aerosol Product – Contains flammable component.

### 5.3. Advice for firefighters

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Fight fire from maximum distance or protected area. Cool and use caution when approaching or handling fire-exposed containers. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid substance contact. Do not breathe vapours, aerosols. Keep away from heat and sources of ignition. Evacuate the danger area, observe the emergency procedures, consult an expert.

#### **6.2. Environmental precautions**

Outside of normal use, avoid release to the environment.

#### **6.3. Methods and material for containment and cleaning up**

If damage occurs to aerosol can: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Use only non-sparking equipment. Dike large spills. Clean residue from spill site.

### **SECTION 7: HANDLING AND STORAGE**

#### **7.1. Precautions for safe handling**

Avoid contact with eyes and clothing. For personal protection see section 8.

Note: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Use only as directed.

KEEP OUT OF REACH OF CHILDREN AND PETS.

Pressurized container.

Do not pierce or burn, even after use.

Wash thoroughly after handling.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Keep away from sources of ignition - No smoking.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Keep in a dry, cool and well-ventilated place.

#### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **8.1. Control parameters**

Name	Standard	TWA-8 HOUR		STEL-15 MIN	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
BUTANE	WEL	600 ppm	1450 mg/m <sup>3</sup>	750 ppm	1810 mg/m <sup>3</sup>
PROPANE	WEL	1000 ppm	1800 mg/m <sup>3</sup>	-	2,8 mg/m <sup>3</sup>

WEL : Workplace Exposure Limit

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**8.2. Exposure controls****Protective equipment****Process Conditions**

Provide eyewash, safety shower.

**Technical measures**

Provide adequate general and local exhaust ventilation.

**Hand protection**

Use protective gloves made of: Rubber, neoprene or PVC. The glove vendor will be able to provide information on the permeability / breakdown time of the glove material..

**Eye protection**

Wear splash-proof goggles to prevent any possible eye contact.

**Hygiene measures**

Do not inhale substance.

Danger because of wicking-effect.

Do not eat, drink or smoke when using this product.

**Skin protection**

In case of contact wear apron or protective clothing.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Aerosol
<b>Colour</b>	White foamy spray.
<b>Odour</b>	Characteristic
<b>Boiling Point</b>	Test not applicable for this product type
<b>Melting point</b>	Test not applicable for this product type
<b>pH-Value</b>	8,0 – 10,0
<b>Flash Point</b>	-74 °C propellant Method: Tag Closed Cup (TCC) (for propellant)
<b>Density</b>	1,00 -1,02
<b>Viscosity</b>	No data available.
<b>Partition Coefficient (N-Octanol/Water)</b>	Not available.

**9.2. Other information**

No information required.

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

No specific reactivity hazards associated with this product.

**10.2. Chemical stability**

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

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### 10.3. Possibility of hazardous reactions

Stable under recommended storage conditions.

### 10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

Strong oxidizing agents

### 10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapours.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### 11.1. Information on toxicological effects

#### **Acute toxicity**

##### **SODIUM LAURYL SULFATE**

Oral route, LD 50: Rat 500 – 5000 mg/kg  
Dermal route, LD 50: No Data  
Inhalation, LC 50: No Data

##### **ETHYLENE GLYCOL MONOBUTYL ETHER**

Oral route, LD 50: 1414 mg/kg bw  
Dermal route, LD 50: > 2000 mg/kg bw  
Inhalation, LC 50: > 2.25 mg/l

##### **MORPHOLINE**

Oral route, LD 50: Rat = 1900 mg/kg  
Dermal route, LD 50: Rabbit = 500 mg/kg  
Inhalation, LC 50: Rat = 8 mg/m<sup>3</sup>

##### **SODIUM BENZOATE**

Oral route, NOAEL : Rat = 1000 mg/kg  
Dermal route, NOAEL : Rat = 2500 mg/kg  
Inhalation, LC 50 : No Data

#### **Serious eye damage/irritation**

No classification proposed

#### **Skin irritation and corrosive**

No classification proposed.

#### **Skin sensitization**

No classification proposed.

#### **Inhalation**

No classification proposed.

#### **Ingestion**

This is an aerosol product, ingestion is unlikely to occur. MAY BE HARMFUL IF SWALLOWED..

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**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity****Ecotoxicity**

Product : The product itself has not been tested

**SODIUM LAURYL SULFATE**

Daphnia obtusa EC50 Water flea : 9,2 – 10,4 mg/l 48 hours

Cirrhinus Mrigala LC50 Carp hawk fish: 0,59 mg/l 96 hours

**ETHYLENE GLYCOL MONOBUTYL ETHER**

Acute toxicity fishes Oncorhynchus mykiss LC 50 : 1474 mg/l 96 h

Acute toxicity fishes Menidia sp. LC 50 : 1250 ppm 96 h

Acute toxicity crustacea Daphnia magna EC 50 : 1550 mg/l 48 h

Acute toxicity crustacea Daphnia magna IC 50 : 690 mg/l 72 h

Toxicity algae and other aquatic plants Pseudokirchneriella subcapitata EC 50 : 911 mg/l 72 h

Toxicity algae and other aquatic plants Pseudokirchneriella subcapitata NOEC: 88 mg/l 72 h

Long-term toxicity fish Danio rerio NOEC: &gt;100 mg/l 21 day(s)

Toxicity aquatic micro-organisms Pseudomonas putida Toxicity threshold : 700 mg/l 16 h

**MORPHOLINE**

Toxicity algae and other aquatic plants Algae EC50 &gt; 10 mg/l, 96 h

Acute toxicity crustacea Daphnia EC 50 : 45 mg/l 48 h

Acute toxicity fishes LC 50 : 484 mg/l 96 h

**SODIUM BENZOATE**

Chronic toxicity fishes Dania rerio (zebra fish) NOEC : 10 mg/l 6 d

Acute toxicity fishes Pimephales promelas LC 50 : 484 mg/l 96 h

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil****Mobility:**

Insoluble in water.

**12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Consumer may discard empty container in trash, or recycle where facilities exist..

**SECTION 14: TRANSPORT INFORMATION**

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**14.1. UN number**

1950

**14.2. UN proper shipping name**

AEROSOLS,  
Flammable

**14.3. Transport hazard class(es)**

2.1



**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Not applicable.

**14.6. Special precautions for user**

Limited quantities derogation may be applicable to this product, please check transport documents.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Product not transported as bulk.

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### SECTION 15: REGULATORY INFORMATION

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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply.  
Safety Data Sheets for Substances and Preparations.

**Guidance Notes**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

**EU Legislation**

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..

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

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### SECTION 16: OTHER INFORMATION

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Abbreviations and acronyms used in the safety data sheet



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ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
IATA: International Air Transport Association.  
ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
IMDG: International Maritime Dangerous Goods.  
CAS: Chemical Abstracts Service.  
ATE: Acute Toxicity Estimate.  
LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
EC<sub>50</sub>: 50% of maximal Effective Concentration.  
PBT: Persistent, Bioaccumulative and Toxic substance.  
vPvB: Very Persistent and Very Bioaccumulative.

### Revision Comments

Revised according to CLP Regulation.

### Hazard Statements In Full

H220: Extremely flammable gas.  
H222: Extremely flammable aerosol.  
H226: Flammable liquid and vapour.  
H229: Pressurised container: May burst if heated.  
H280: Contains gas under pressure; may explode if heated.  
H302: Harmful if swallowed.  
H304: May be fatal if swallowed and enters airways  
H311: Toxic in contact with skin.  
H312: Harmful in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H331: Toxic if inhaled.  
H332: Harmful if inhaled.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects  
H412: Harmful to aquatic life with long lasting effects.

### Disclaimer

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