



# SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519

<b>Product name :</b> GLASS CLEANER (PMGC500)	<b>SDS No. :</b> EN1017
<b>Revision date :</b> 2024-08-12	<b>Version # :</b> V3.0
<b>UFI Number :</b> QM00-E0H3-800M-1GQ4	

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.1 PRODUCT IDENTIFIER

**Product name:** Auto Choice Glass Cleaner

**Product code:** PMGC500

### 1.2 USES AND USES ADVISED AGAINST

**Use(s):** Glass Cleaner

**Main Intended Use(s):** PC-CLN-7 Glass/window/mirror cleaning products

### 1.3 DETAILS OF THE SUPPLIER OF THE PRODUCT

**Supplier name:** PM Distribution Ltd

**Address:** 3 Glenford Road, Newtownards, BT23 4AU

**Telephone:** 028 9181 1130

**Website:** [www.autochoicedirect.co.uk](http://www.autochoicedirect.co.uk)

### 1.4 Emergency telephone number(s)

**Emergency:** 028 9181 1130

## 2. HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Liquid

Highly flammable

Its vapour and air mixture can form explosive mixture

Serious irritant to eyes

Vapours may cause drowsiness and dizziness

## 2.2 HAZARD CATEGORIES

**Flammable Liquids:** Category 2

**Serious Eye Damage/Irritation:** Category 2A

**Specific Target Organ Toxicity - Single Exposure:** Category 3

## 2.3 LABEL ELEMENTS

### Pictograms



### Signal word

Danger

### Hazard statement

- H225** Highly flammable liquid and vapour  
**H319** Causes serious eye irritation  
**H304** May be fatal if swallowed and enters airways  
**H336** May cause drowsiness or dizziness

### Precautionary statement

#### 【Prevention】

- P210** Keep away from heat/spark/open flames/hot surfaces. No smoking.  
**P233** Keep container tightly closed  
**P240** Ground and bond container and receiving equipment  
**P241** Use explosion-proof (electrical/ventilating/lighting) equipment  
**P242** Use non-sparking tools  
**P243** Take action to prevent static discharges  
**P260** Do not breathe dust/fume/gas/mist/vapours/spray

#### 【Response】

- P312** Call a POISON CENTRE/doctor if you feel unwell  
**P337+P313** If eye irritation persists: Get medical advice/attention  
**P370+P378** In case of fire: Use suitable fire extinguishing medium to extinguish

### **【Storage】**

- P405** Store locked up.  
**P403+P233** Store in a well-ventilated place. Keep container tightly closed.  
**P403+P235** Store in a well-ventilated place. Keep cool

### **【Disposal】**

- P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

### **Physical and chemical hazards**

Highly flammable liquids, its vapour and air mixture can form explosive mixture.

### **Health hazards**

Inhalation: Cough, dizziness, headache, sore throat

Ingestion: Abdominal pain, laboured breathing, nausea, unconsciousness, vomiting

Eyes: Redness

### **Environment hazards**

Please refer to section 12 of the SDS

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance/Mixture** Mixture

<b>Substance/mixture</b>	<b>Concentration (%)</b>	<b>CAS No.</b>
Deionised Water	>70 - <90% (v/v)	7732-18-5
Nonionic surfactant	>5 - <10% (v/v)	Propriety
Isopropyl Alcohol	>7- <10% (v/v)	67-63-0
Diethylene glycol monobutyl ether	>2- <5% (v/v)	112-34-5
Triethanolamine	>0.1 - <0.5% (v/v)	102-71-6
Preservative	>0.05 - <0.1% (v/v)	N/A
Dye	>0.05 - <0.1% (v/v)	N/A

## 4. FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

**Inhalation:** Move to fresh air. Call a physician if symptoms develop or persist.

**Eye contact:** Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion:** Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

See Section 11 for more detailed information on health effects and symptoms.

### 4.3 PERSONAL PROTECTION EQUIPMENT FOR FIRST AID RESPONDERS

If exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this Safety Data Sheet to the doctor in attendance.

### 4.4 SPECIAL NOTES TO PHYSICIAN

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptom may be delayed.

## 5. FIRE FIGHTING MEASURES

## 5.1 SPECIFIC HAZARDS

Highly flammable. May evolve toxic gases(Carbon oxide, hydrocarbons) when heated to decomposition. Vapour may explosive mixtures with air. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, etc when handling.

## 5.2 EXTINGUISHING MEDIA

Water fog, Foam. Dry chemical power. Carbon dioxide(CO<sub>2</sub>). Prevent contamination of drains and waterways.

## 5.3 SPECIAL FIRE FIGHTING PROCEDURES

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up.

## 5.4 PROTECTION OF FIRE FIGHTERS

Fire-fighters must be use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 6. ACCIDENTAL RELEASE MEASURES

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

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### 6.2 Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

### 6.3 Clean-up methods and materials and containment measures

Stop leak if you can do so without risk. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

## **7. HANDLING AND STORAGE**

### **7.1 HANDLING**

Obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

### **7.2 STORAGE**

Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C/ 122°F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials(see section 10 of the SDS).

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 CONTROL PARAMETERS**

Exposure limits

China OELs, Occupational Exposure Limits for Hazardous Agents in the Workplace, Chemical Hazardous Agents(GBZ 2.1-2007)

Components	Cas No.	TWA	STEL
		mg/m <sup>3</sup>	mg/m <sup>3</sup>
Isopropyl Alcohol	67-63-0	350	700
Diethylene glycol monobutyl ether	112-34-5	No data provided	No data provided

## BIOLOGICAL LIMIT VALUE

No biological exposure limits noted for the ingredients.

## MONITORING METHODS

Follow standard monitoring procedures.

## 8.2 ENGINEERING MEASURES

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level.

## 8.3 RESPIRATORY PROTECTION

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapour cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies.

## 8.4 EYE PROTECTION

Wear safety glasses with side shields(or goggles).

## 8.5 HYGIENE MEASURES

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	BLUE, TRANSPARENT LIQUID		
<b>Odor</b>	SLIGHT ALCOHOL ODOUR	<b>pH</b>	7-8
<b>Odor threshold</b>	NOT AVAILABLE	<b>Boiling point</b>	NOT AVAILABLE
<b>Melting point</b>	NOT AVAILABLE	<b>Flash point</b>	NOT ESTIMATED
<b>Evaporation rate</b>	NOT AVAILABLE	<b>Flammability</b>	FLAMMABLE
<b>Upper explosion limit</b>	NOT AVAILABLE	<b>Lower explosion limit</b>	NOT AVAILABLE
<b>Vapour density (air=1)</b>	>1	<b>Specific gravity</b>	0.95
<b>Solubility(water)</b>	SOLUBLE	<b>Vapour pressure</b>	NOT AVAILABLE
<b>Auto ignition temperature</b>	NOT AVAILABLE	<b>Decomposition temperature</b>	NOT AVAILABLE
<b>Viscosity</b>	NOT AVAILABLE	<b>Explosive properties</b>	NOT AVAILABLE
<b>Oxidising properties</b>	NOT AVAILABLE		

### 9.2 Other information

% Volatiles 10%

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

## 10.2 Stability

Material is stable under normal conditions.

## 10.3 Incompatible materials

Strong oxidising agents. Acids.

## 10.4 Conditions to avoid

Heat. Spark. Flame. Ignition sources.

## 10.5 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

## 10.6 Hazardous decomposition products

Carbon oxides.

# 11. TOXICOLOGICAL INFORMATION

## 11.1 Acute toxicity

Harmful if swallowed, in contact with skin, and/or if inhaled.

Components	Cas No.	LD50 (Oral)	LD50 (Dermal)	LC50 (Inhalation)
Isopropyl Alcohol	67-63-0	5045mg/kg (Rat)	5045mg/kg (Rat)	No data provided
Diethylene glycol monobutyl ether	112-34-5	5660mg/kg (Rat)	No data provided	No data provided
Triethanolamine	102-71-6	5000-9000mg/kg (Rat)	No data provided	No data provided

## 11.2 Skin corrosion/irritation

No data provided

## 11.3 Serious eye damage/eye irritation

Contact may result in irritation, lacrimation, pain and redness.

#### **11.4 Respiratory or skin sensitisation**

No data provided.

#### **11.5 Germ cell mutagenicity**

No data provided.

#### **11.6 Toxic to reproduction**

No data provided.

#### **11.7 Carcinogenicity**

No data provided.

#### **11.8 STOT-single exposure**

Not classified.

#### **11.9 STOT-repeated exposure**

Not classified.

#### **11.10 Aspiration hazard**

Not classified.

### **12. ECOLOGICAL INFORMATION**

#### **12.1 Ecotoxicity**

No information provided.

**12.2 Persistence and degradability**

No information provided.

**12.3 Bioaccumulative potential**

No information provided.

**12.4 Mobility in soil**

No information provided.

**12.5 Other adverse effects**

No information provided.

**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

**13.2 Local disposal regulations**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**14. TRANSPORT INFORMATION**

	<b>CNDG</b>	<b>IMDG</b>	<b>IATA</b>
<b>14.1 UN number</b>	<b>1993</b>	<b>1993</b>	<b>1993</b>

<b>14.2 Proper shipping name</b>	Flammable liquid, N.O.S.	Flammable liquid, N.O.S.	Flammable liquid, N.O.S.
<b>14.3 Transport hazard class</b>	3	3	3
<b>Packing group</b>	II	II	II

## 14.4 Transport mark



**14.5 Environmental hazards:** Not available

**14.6 Special precautions for user:** Read safety instruction, SDS and emergency procedures before handling.

## 15. REGULATORY INFORMATION

This safety data sheet conforms to the following laws, regulations and standards:

Regulations on the Control over Safety of Dangerous Chemicals

Regulations on Labor Protection in Workplaces Where Toxic Products Are Used

Measures for the safe Use of Chemical in Workplaces

Safety Data Sheet for chemical Products - Content and Order of Sections (GB/T16483)

General Rules for Preparation of Precautionary Labels for Chemicals (GB 15258)

Packing Symbol of Dangerous Goods (GB 190)

Packing - Pictorial Marking for Handling of Goods (GB/T 191)

Classification and Code of Dangerous Goods (GB 6944)

List of Dangerous Goods (GB 12268)

The principle of Classification of Transport Packaging Group of Dangerous Goods (GB/T 15098)

General Specifications for Transport Packages of Dangerous Goods (GB 12463)

Regulations on Road Transport of Dangerous Goods

Regulations on Railway Transport of Dangerous Goods  
UN Recommendations on the Transport of Dangerous Goods (UN RTDG)

## 16. OTHER INFORMATION

### References

EPA: AQUIRE database

NLM: Hazardous Substances Data Base

Disclaimer: The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this SDS consult your supervisor, a health & safety professional, or PM Distribution Ltd