

**1. PRODUCT IDENTIFICATION****MANUFACTURER, IMPORTER OR DISTRIBUTOR IDENTIFICATION****1.1. Data concerning the product:** GLASS CLEANER.**1.2. Intended use:** Liquid for washing car windows, in packing: 5.00 dm<sup>3</sup>

APP no.: 220110.

**Distributor:** AUTO – PLAST PRODUKT Sp. z o. o.

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Current safety data and technical information available at the website.

**Date of MSDS preparation:** 07. 02. 2005 .

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**2. HAZARDS IDENTIFICATION**

Pursuant to the regulations in force (see p. 15) the product is classified as hazardous.

**2.1. Physical and chemical hazards:**

- The product is not hazardous
- the product does not cause fire hazard
- toxic gases, fumes and smoke liberated during combustion process

**2.2. Hazard to health**

- The product is not hazardous to people

**2.3. Hazard to the environment.**

- the substance is not classified as hazardous to the environment.
- avoid release to the environment.
- refer to special instructions/safety data sheets

**3. COMPOSITION AND INFORMATION ON COMPONENTS**

Product classification and marking was presented pursuant to the Act on chemical substances and preparations dated 11<sup>th</sup> January 2001, on the basis of the data provided by the manufacturer and on the basis of general knowledge on the substances.

**3.1. Hazardous components:**

No.	EC no.(EINECS)	Product name:		
	CAS no.	R phrase	Classification	Contents [%]
1.	200-661-7	Isopropyl alcohol.		
	67-63-0			
	603-117-00-0	<b>R11; R36; R67</b>	<b>F; Xi</b>	<b>2,5 ÷ 10</b>

The meaning of symbols and contents of R phrases – see item 16.

**4. FIRST AID MEASURES****4.1. First aid in case of inhalation exposure:**

- the product is not hazardous

**4.2. First aid in case of eye contamination:**

- flush contaminated eyes, with eyelids open, with a lot of running water, for 10-15 minutes, avoid strong water jet which may cause the risk of damaging cornea.
- do not use any liquids for rinsing eyes or any ointments before medical consultation.
- in case if the injured person uses contact lenses, remove them
- medical attention necessary

**4.4. First aid in case of skin contamination:**

- The product does not cause hazard – it serves washing hands
- Repeated exposure may cause skin dryness or cracking

**4.5. First aid in case of swallowing:**

- rinse mouth with a lot of running water
- do not induce vomiting
- medical attention necessary

**5. FIRE FIGHTING MEASURES****5.1. Fire hazards:**

- the product does not cause fire hazard
- toxic gases, fumes and smoke liberated during combustion process

**5.2. Recommended extinguishing media:**

- adequate for burning materials

**5.3. General advice:**

- Inform about fire
- remove all people who do not take part in rescue operation from danger zone;
- Call State Fire Service, also State Police if necessary, closest local authorities and closest unit of Chemical Emergency Service
- Rescue workers must be equipped with personal protection measures - anti-gas clothing in antistatic version, self-contained breathing apparatus, safety gloves, safety goggles adhering to the face

**5.4. Hazardous products of combustion:**

- carbon monoxides
- toxic fumes and smokes

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**6. ACCIDENTAL RELEASE MEASURES**

**6.1. General advice:**

- in case of releasing large amounts, notify competent services about the accident
- remove all people who do not take part in repairs from danger zone

**6.2. Personal protection:**

- when removing, do not breathe in product vapours
- avoid contact with releasing product
- use protective gloves and protective clothing
- Apply tight protective goggles with side cover or an adequate protective mask

**6.3. Detailed advice:**

- do not smoke

**6.4. Environmental precautions:**

- Eliminate spillage (shut off liquid flow, seal, damaged container put in emergency container)
- avoid the contamination of groundwater, protect sink basins
- do not let the product enter the sewage system or draining system
- if the product reached the water or draining system, contaminated the earth or flora, notify competent services

**6.5. Cleaning procedures:**

- small amounts of released product wipe with paper or a cloth, put in a closed, properly marked container
- bigger amounts of released product cover up with inflammable absorbing material (sand, diatomaceous earth, universal binding material), put in a closed, properly marked container
- wash the place of spillage after removing the material

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**7. HANDLING AND STORAGE**

**7.1. Handling the product:**

- ensure efficient air exchange when working with the substance
- handle the product pursuant to the general principles of work health and safety concerning chemical substances; strictly follow the proceeding procedures; when handling the product, apply general work health and safety regulations contained in the Regulation of the Minister of Labour and Social Policy dated 11th June 2002 (Dz. U. no. 91 dated 2001, item 811); observe the advice included in the instructions provided by the manufacturer
- do not eat, drink and smoke when handling the product, except for the places designed for this; wash hands before the breaks and after work, if necessary use hand cream

**7.2. Storage:**

- store the product in cool, dry and well ventilated rooms,
- store the product in original and tightly closed containers
- optimum storage temperature from 5°C to 25°C
- previously opened containers store vertically to make the leakage of the product impossible

**7.3. Package:**

- Store in tightly closed, adequately marked containers
- protect packages from mechanical damage

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**8. EXPOSURE CONTROL AND PERSONAL PROTECTION**

**8.1. Hazard to health**

Employees' medical tests and tests and measurements of harmful substances to be carried out pursuant to the regulations in force.

**8.2. The procedures of monitoring of hazardous components in work environment:**

- the product does not contain components in concentration allowing for their measurement with enough precision chromatography method along with sample enriching.

**8.3. Hygienic advice:**

Avoid direct contact of the product with skin and eyes and inhaling the product vapours; use the product in the rooms with efficiently working ventilation and, if necessary, use respiratory tract protection measures; immediately take off contaminated clothing and wash contaminated skin with water with soap; do not eat, drink and smoke when handling the

product, except for the places designed for this, wash hands before breaks at work and after finishing work with the product, use hand cream when necessary.

**8.4. Personal protection ensuring adequate protection:**

- hands: protective gloves
- skin: protective clothing
- respiratory tract: ensure good ventilation.
- eyes: not required

Notice! Recommended protective equipment must be certified for safety mark pursuant to the Regulation of the Council of Ministers dated 9<sup>th</sup> November 1999 on the list of goods manufactured in Poland as well as goods imported to Poland for the first time, which may cause danger or serving the protection or saving life, health or the environment, being subject to the certification for safety mark and marking with this mark and the goods subject to the obligation of issuing the declaration of conformity by the manufacturer.

The employer is obliged to make sure that the used individual protection media as well as protective clothing and footwear had the protective usable properties and assure their adequate washing, maintenance, repair and decontamination.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

form, appearance:	liquid
colour:	transparent
odour:	characteristic
pH	11
boiling point:	100°C
melting point:	not determined
burning temperature:	not determined
flash point	the product is not hazardous
autoignition temperature:	the product is not hazardous
combustibility:	the product is not hazardous
explosive properties:	the product is not hazardous
hazard danger boundaries:	
- lower:	-
- upper:	-
oxidizing properties:	none
vapour pressure:	23 hPa
density:	0,99 g/cm <sup>3</sup> (in the temperature of 20°C)
vapour density:	not determined
solubility:	
- in water:	does mix
- in organic solvents:	not determined
Distribution ratio n- octanol/water	not determined

**10. STABILITY AND REACTIVITY**

**10.1. Stability:**

- Stable in conditions recommended for storage and transport

**10.2. Conditions to avoid:**

- None

**10.3. Materials to avoid:**

- None

**10.4. Hazardous products of decomposition/combustion:-**

- carbon monoxides
- toxic gases and smokes

**11. TOXICOLOGICAL INFORMATION**

**11.1. Toxicological hazards**

- The product does not cause hazard to human health and life

**11.2. Toxic doses and concentrations:**

Not defined

**12. ECOLOGICAL INFORMATION**

**12.1. Hazards for the environment.**

- Avoid release to the environment.
- Refer to special instructions/safety data sheets

When handled properly, according to our experience, there are no disturbances in the sewage treatment process. Under no circumstances should bigger quantities of product enter the sewage system.

### **12.2. Biological decomposition:**

The applied surfactants are subject to biological degradation in over 90% (OECD test). The agent is in compliance with the act on washing and cleaning agents (WRMG) and is biologically degradable.

### **12.3. Bioaccumulation:**

In accordance with the recipe, it contains no heavy metals and their compounds.

### **12.4. Ecotoxicity:**

The product contains no absorbable organically bound halogens (AOX).

### **12.5. Other harmful effects.**

Do not let the diluted agent or its bigger quantities enter groundwater, water tanks or sewage system. It is forbidden to dispose of the product to sewers or water courses.

## **13. DISPOSAL CONSIDERATIONS**

### **13.1. Waste material proceedings:**

Do not dispose in the sewage system. Do not let any material enter surface water, ground water and soil.

Small quantities (at the consumer's) treat as household waste.

Do not dispose large quantities of waste material in the sewage system. Utilize in authorized incineration plants or waste utilization plants, pursuant to the regulations in force (see item 15)

Product	If the product cannot be used as waste, it can be stored in small quantities together with domestic waste, observing the regulations.
Not cleaned package	Contaminated packages should be emptied completely, then after cleaning they can be subject to recycling process.

Recommended cleaning agent: water.

Disposing of empty containers (packages) should be in compliance with the regulations in force.

## **14. TRANSPORT INFORMATION**

### **14.1. Road transport:**

The product does not cause danger in the light of road transport regulations.

## **15. REGULATORY REGULATION**

Classification and marking of the substance was given pursuant to the Act on chemical substances and preparations dated 11<sup>th</sup> January 2001, on the basis of the data delivered by the manufacturer and on the basis of general knowledge on the substances.

### **Package marking:**

**The product is not classified as hazardous. The regulations on labelling hazardous substances do not apply.**

### **Warning marks:**

None

### **Hazard phrases:**

None

### **Phrases indicating conditions of safe usage:**

None

### **Regulations in force:**

1. Regulation (EC) no. 1907/2006 of the European Parliament and European Council dated 18<sup>th</sup> December 2006 on the registration, assessment, granting permits and applied restrictions in the scope of chemicals (REACH) the establishment of the European Chemicals Agency amending directive 1999/45/EC and repealing the regulation of the Council (EEC) no. 793/93 and the regulation of the Commission (EC) no. 1488/94, as well as the Council directive 76/769/EEC and the Commission's directive 91/155/ EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (correction Dz. Urz. Of the European Union, L 396/1)
- 1 Act dated 11<sup>th</sup> January 2001 on chemical substances and preparations (Dz. U. No 11 item 84 dated 2001) with subsequent amendments)
- 2 Act dated 27<sup>th</sup> April 2001 on waste (Dz. U. No 62 item 628 dated 2001) together with the Regulation of the Minister of the Environment (Dz. U. No 152 item 1735-1737 dated 2001)
- 3 Act dated 27<sup>th</sup> April 2001 on waste (Dz. U. No 62 item 628 dated 2001) together with the Regulation of the Minister of the Environment (Dz. U. No 152 item 1735-1737 dated 2001)
- 4 Act dated 11<sup>th</sup> May 2001 on package and package waste (Dz. U. No. 63, item 638 dated 2001) with subsequent amendments
- 5 Proclamation of the Marshal of the Parliament of the Republic of Poland dated 4th July 2006 on announcing single text of the act - Environment Protection Law (Dz. U. No 129 item 902 dated 2006)
- 6 Act dated 28<sup>th</sup> October 2002 on land transport of hazardous materials (Dz. U. No 199 item 1671 dated 2001) with subsequent amendments.
- 7 The Regulation of the Minister of Health dated 30<sup>th</sup> April 2004 on dangerous substances and chemical preparations whose packages shall have closures protecting against opening by children and warning label recognized with fingers. (Dz. U. No. 128, item 1348 dated 2004)
- 8 Regulation of Minister of Health of 2<sup>nd</sup> September 2003 on criteria and classification method for chemical substances and preparations (Dz. U. No 171 item 1666 dated 2003) with the amendment of 29<sup>th</sup> October 2004. (Dz. U. No 243 item 2440 of 2004) with the consideration of the Commission Directive 2006/8/EC of 23<sup>rd</sup> January 2006

- 9 Regulation of Minister of Health dated 3<sup>rd</sup> July 2002 on Material Safety Data Sheet (Dz. U. No 140 item 1171 dated 2002) together with the Regulation of Minister of Health of 14<sup>th</sup> December 2004 amending the regulation on Material Safety Data Sheet (Dz. U. No 2 item 8 dated 2005).
- 10 Regulation of Minister of Health dated 13<sup>th</sup> November 2007 on Material Safety Data Sheet (Dz. U. No. 215 item 1588 of 2007r.)
- 11 Regulation of Minister of Health dated 28th September 2005 on the list of dangerous substances with their classification and marking (Dz.U. No. 201, item 1674 dated 2005 )
- 12 Regulation of the Minister of Labour and Social Policy dated 29<sup>th</sup> November 2002 on the highest allowed concentrations and intensity of agents harmful to health in the work environment (Dz. U. No. 217, item 1833 dated 2002). with the amendment (Dz. U. No 212 item 1769 dated 2005)
- 13 Government announcement dated 26<sup>th</sup> July 2005 on the annexes A and B of the European Agreement concerning international transport of hazardous materials, coming into force (ADR), prepared in Geneva dated 30<sup>th</sup> September 1957 (Dz. U. No. 178, item 1481 dated 2005)
- 14 Regulation of the Minister of Environment dated 27<sup>th</sup> September 2001 on waste catalogue (Dz. U. 2001 No 112 item 1206).
- 15 Regulation of the Minister of Labour and Social Policy dated 11<sup>th</sup> June 2002 amending the regulation on general work health and safety regulations (Dz. U. No. 91, item 811 dated 2002)
- 16 Regulation of the Minister of Economy dated 9th June 2006 amending the regulation on the minimum requirements concerning work health and safety of the employees employed at work stations where explosion may occur (Dz. U. No. 121 item 836 dated 2006). Regulation of the Council of Ministers dated 30<sup>th</sup> July 2002 amending the regulation on the list of works forbidden to women (Dz. U. No. 127, item 1092 dated 2002)
- 18 Regulation of the Minister of Health dated 20<sup>th</sup> April 2005 on the tests and measurements of agents harmful to health in the work environment (Dz. U. dated 73, no. 73, item 645 dated 2005)
- 19 Regulation of the Minister of Health and Social Welfare dated 30th May 1996 on conducting medical tests of employees, the scope of prevention in health care of the employees and doctor's statements issued for the purposes stated in the Labour Code (Dz. U. No. 69 item 332 dates 1996) with subsequent amendments (Dz. U. No 37 item 451 and Dz. U. No. 128, item 1405 dated 2001)
- 20 Regulation of the Council of Ministers dated 24<sup>th</sup> August 2004 on the list of works forbidden to the juvenile and the conditions of employing them at some works (Dz. U. No. 200 item 2047 dated 2004) with subsequent amendments (Dz. U. No 136 item 1145 dated 2005)
- 21 Regulation of Minister of Economy and Labour dated 5<sup>th</sup> July 2004 on the limitations, bans or production conditions, trading or the use of hazardous substances and preparations and the products containing them (Dz. U. No. 168 item 1762 dated 2004) with subsequent amendments (Dz. U. No 39 item 372 dated 2005 and Dz. U. No. 127, item 887 dated 2006)
- 22 Regulation of the Minister of Health dated 1<sup>st</sup> December 2004 on substances, preparations, factors or technological processes with carcinogenic or mutagenic in the work environment (Dz. U. No. 280 item 2771 dated 2004). with subsequent amendments (Dz. U. No 160 item 1356 dated 2005).
- 23 Act dated 29<sup>th</sup> July 2005 on counteracting drug abuse (Dz. U. No. 179, item 1485 dated 2005) with the amendment (Dz. U. No. 120, item 826 dated 2006 and the Regulation (EC) No. 273/2004 of the European Parliament and the Council dated 11<sup>th</sup> February 2004. on the precursors of drugs (Dz. Urz. EC L 047 dated 18th February 2005) and the Regulation (EC) and the Council No. 111/2005 dated 22<sup>nd</sup> December 2004 defining the principles of supervising the trade with drugs precursors between the Community and the third countries (Dz. Urz. EC L 22 dated 26th January 2005, page 1; Dz. Urz. EC Polish special issue dated 2005, volume 48, page 1)

**16. OTHER INFORMATION**

**The meaning of symbols and the contents of R phrases included in item 2:**

F	Highly flammable product
Xi	Irritating product
R11	Highly flammable product
R36	Irritating to eyes
R67	Vapours may cause drowsiness and dizziness.

Employees' medical tests and tests and measurements of the harmful factors to be made pursuant to the valid regulations. This material safety data sheet was prepared pursuant to the data coming from the MSDS provided by the manufacturer. The above information was prepared on the basis of current knowledge and experiences. It does not guarantee of the property of the product or quality specification and cannot be the basis for the complaint. The product should be transported, stored and applied pursuant to the regulations in force and good practice and hygiene of work. The manufacturer does not bear responsibility for any losses arising directly or indirectly from the application of the above interpretation of the regulations or instructions.. The presented information cannot be applied for the mixtures of the product with other substances. The use of information given and the application of the product are not controlled by the manufacturer so it is the user's obligation to create adequate conditions for safe handling the product.

MSDS was prepared by **CHEM-NET S.C. 91-716 Łódź, Nowopolska 9A** [www.chem-net.info](http://www.chem-net.info), at the order of **AUTO – PLAST PRODUKT Sp. z o. o.** MSDS was prepared pursuant to domestic regulations currently in force. The preparation of this MSDS was based on current knowledge and experiences.