

1. PRODUCT IDENTIFICATION**MANUFACTURER, IMPORTER OR DISTRIBUTOR IDENTIFICATION**

- 1.1. Product identifier:** Trade name: PK 900
Trade code: 070903, 070904
- 1.2. Identified essential application and unrecommended application of the substance:**
Spray booth high density protection liquid
- 1.3. Data concerning the distributor:** **AUTO – PLAST PRODUKT Sp. z o. o.**
Ul. Przemysłowa 10, 62 – 300 Września
Tel. +48 (061) 437 00 00
Fax. +48 (061) 437 91 37
e-mail: app@app.com.pl
www: www.app.com.pl

Current safety data and technical information available at the website.

A person responsible for the product: Tomasz Gołda, t.golda@app.com.pl

1.4. Emergency telephone:

+48 (061) 437 00 00 (Opening times 8.00 a.m.-4.00 p.m.)

Date of MSDS preparation: 14. 11. 2011 r.

2. HAZARDS IDENTIFICATION**2.1. Product classification:**

Classification in table 3.2 of VI Annex to the Regulation of the European Parliament and Council (EC) No. 1272/2008 (GHS Regulation) including 30 and 31 ATP to 67/548/EEC as well as on the basis of data provided by the manufacturer: Mixture has not been classified as hazardous.

2.2. Marking elements:

Product have not been classified as hazardous. Regulations on labelling of hazardous products do not apply.

Package marking:

Product contains:

<5% nonionic surfactant

Warning marks:

None

Hazard phrases:

None

Phrases indicating conditions of safe usage:

None

2.3. Other hazards:

MSDS available at request of the professional user.

3. COMPOSITION AND INFORMATION ON COMPONENTS**3.1. Substances:**

Not applicable.

Classification of components included in the product is in accordance with Table 3.1 and 3.2 in VI Annex to the Regulation of the European Parliament and Council (EC) No. 1272/2008 (GHS Regulation) with consideration of 30 and 31 ATP for 67/548/EEC and on the basis of data delivered by the manufacturer.

3.2. Mixtures:

Hazardous produkt name	Concentration range	CAS numbers	Index number	EC number	Hazard symbols
Glycerin	<25%	56-81-5	brak	200-289-5	None NDS – see section
					None NDS – see section 8
2- butoxyethanol	<5%	111-76-2	603-014-00-0	203-905-0	Xn: R20/21/22 Xi: R3/38
					GHS07 Warning AcuteTox4: H302 AcuteTox4: H312

					AcuteTox4: H332 SkinIrrit2: H315 EyeIrrit2: H319
2-Propanol; Isopropyl alcohol; Isopropanol	<5 %	67-63-0	603-117-00-0	200-661-7	F: R11 Xi: R36 R67 GHS02; GHS07 Hazard: Flam.Liq.2: H225 EyeIrrit2: H319 STOT SE3: H336

Other phrases– see page 16.

4. FIRST AID MEASURES

4.1. First aid measures description:

4.1.1 Guidelines concerning the first aid according to exposure:

Show MSDS to a doctor providing assistance. In case of exposure to vapours and aerosols of the product take the injured person to a well ventilated room - seek medical assistance

a) respiratory tract: take the injured person to a well ventilated room; place the injured person in half-lying position, loose clothing, make sure that there are no objects or secretion impeding breathing, in the mouth; If the injured breathless proceed to provide artificial breathing; seek medical assistance immediately.

b) skin: take off contaminated clothing; wash contaminated skin with plenty of water and soap; do not use any solvents or diluents for washing skin; apply moisturising cream on the cleaned skin ; seek medical assistance, if skin irritation occur.

c) eyes: 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; if burning or sensitizing persists consult a doctor; 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 if it is possible; seek medical assistance, if eye irritation occur.

d) swallowing: rinse mouth with a lot of running water; do not induce vomiting; seek medical assistance immediately – show the product label or MSDS to a doctor.

4.1.2. Other:

None.

4.2. Most important acute and late symptoms and exposure results:

Acute symptoms:

None.

Delayed symptoms:

none.

4.3. Recommendations concerning immediate aid and further treatment of the injured:

In case of swallowing of a large dose of the product consult a doctor.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media:

a) Recommended extinguishing media: dispersed water jets, powder extinguishers, foam resistant to alcohol

b) Not recommended extinguishing media: Avoid strong water jets that may spread fire.

5.2. Particular threats related to the substance:

In case of fire toxic gases are given off. Protect against ignitron sources –do not smoke when spraying. Keep away from children. In case of poor ventilation explosive mixtures may be formed

5.3. Information for fire services:

Apply self-contained breathing apparatus and proper protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal protection, protective means and emergency procedures:

6.1.1. For people other than persons providing assistance:

- when removing material wear protective clothing, protective gloves, glasses and anti-dust mask

6.1.2. For persons providing assistance:

- when removing avoid generation and breathing in of product vapours and aerosols

- Apply tight protective goggles, protective gloves and protective clothing

6.2. Environmental precautions:

- In case of release of large amounts to waters or soil inform competent services on the failure

6.3. Methods and materials that prevent spreading of contamination and used for handling of contamination:

6.3.1. Recommendations regarding prevention of leakage spreading:

- store and transport in the tight containers

- remove product immediately

- do not let the product enter the sewage system or draining system
 - wash the place of spillage after removing the material
- 6.3.2. Recommendations concerning leakage handling:
- collect with non-flammable absorbent (e.g. diatomaceous earth)
 - collect absorbent to a well marked, closed container
 - eliminate all possible sources of ignition, do not smoke
- 6.3.3. Other information:
- None.
- 6.4. Reference to other sections:
- See information in section 8 and 13.

7. HANDLING AND STORAGE

- 7.1. Precautions regarding safe handling:
- 7.1.1. General guidelines:
- do not allow to form product vapour concentration in the air over values determined in hygiene standards
 - ensure easy access to extinguishing means and the equipment required during leakage removal
 - handle the product pursuant to the general principles of work health and safety concerning chemical substances and good manufacturing practice; 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 30th December 2004r. (Journal of Laws No. 11 from 2005 item. 86); observe the advice included in the instructions provided by the manufacturer
 - do not allow for the contamination of skin, eyes and clothing
 - avoid long-term and repeated exposure
- 7.1.2. Guidelines regarding occupational hygiene:
- do not eat, drink and smoke when handling the product
 - avoid forming and breathing in of product vapours
 - during work with the product wear adequate protective clothing, protective gloves (rubber or PVC)
 - ensure eye washing station at work station
 - follow occupational hygiene standards
 - 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
 - work in ventilated rooms
- 7.2. Conditions of safe storage, including information concerning incompatibilities:
- store the product in cool, dry and well ventilated rooms
 - do not store near food /feedstuff
 - Store in tightly closed, adequately marked containers
 - for safety reasons, it is recommended to store the product in original packages
 - protect packages from mechanical damage
- 7.3. Particular final application:
- None.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1. Parametry dotyczące kontroli:

8.1.1. Najwyższe dopuszczalne stężenia w środowisku pracy:

Pursuant to the regulation of the Minister of Labour and Social Policy dated 29th November 2002 (Journal of Laws no. 217 item 1833) with the amendment (Journal of Laws No. 212 item 1769 dated 2005; Journal of Laws No. 161 item 1141 dated 2007; Journal of Laws No. 105 item 873 dated 200p; Journal of Laws No. 141 item 950 dated 2010):

Glycerin-aerosols:	NDS: 10 mg/m ³	NDSCh: -
2- butoxyethanol:	NDS: 98 mg/m ³	NDSCh: 200 mg/m ³
2-Propanol:	NDS: 900 mg/m ³	NDSCh: 1200 mg/m ³

8.1.2. Recommended monitoring procedures:

- PN-89/Z-01001/06. Air purity protection. Names, definitions and units. Terminology concerning air quality tests at work places.
- PN-89/Z-04008/07. Air purity protection. Collecting samples. Principles of collecting air samples in work environment and the interpretation of results.
- Method recommended by R&D units regarding occupational medicine – glycerin.
- PN-86/Z-04174/02. Air purity protection. Examination regarding butoxy alcohol content. Marking of 2 butoxy alcohol at work stations with gas chromatography method with enriched sample.
- PN-89/Z-04023/02 Air purity protection. Examination of harmful substances contents (in mixtures) that are released from top coat nitrocellulose solutions. Determination of acetone, ethyl, n-butyl, n-butyl, isobutyl, ethoxyethyl, butoxyethyl alcohol; octane: ethyl, n-butyl, ethoxyethyl, toluene and xylene at work stations with gas chromatographic method.
- PN-92/Z-04224/02. Air purity protection. Examination regarding isopropyl alcohol content. Marking of isopropyl alcohol at work stations with gas chromatography method.

8.1.3. Permitted concentration in biological material (DSB):

None.

8.1.4. DNEL and PNEC values:

DNEL and PNEC values were not specified for the substance.

8.2. Exposure control:**8.2.1. Exposure control means:**

Employee medical check-up and tests and measurements of harmful factors shall be carried out according to applicable regulations.

8.2.2. Individual protection:

- a) Eye or face protection: in case of frequent exposure wear goggles or fit tight glasses
- b) skin protection: protective clothing, protective gloves
- c) respiratory tract protection: ventilation in good working order

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information concerning basic physical and chemical properties:

- Appearance: liquid, transparent, white or straw-coloured
 - Odour: characteristic, slight
 - Odour threshold: not determined.
 - pH: not applicable
 - melting/freezing point: not determined
 - boiling point: >100°C
 - flash point: >100°C
 - autoignition temperature: not self-igniting product
 - decomposition temperature: >100°C
 - burning temperature: not determined
 - evaporation rate: not determined
 - combustibility: flammable liquid
 - explosive limit:
lower: -
upper: -
 - vapour pressure: not determined
 - vapour density: not determined
 - density: 1,11÷1,13g/cm³
 - solubility: does not mix with water
 - Octanol/water partition coefficient: not determined
 - viscosity : 1000÷1300 cps
 - explosive properties: the product is not endangered with explosion
 - oxidizing properties: none
- 9.2. Other information:
- none

10. STABILITY AND REACTIVITY

10.1. Reactivity:

Produkt is not reactive..

10.2. Chemical stability:

At temperature >250°C release of acrolein follows (results in eyes watering)

10.3. Possibility of dangerous reactions:

Not determined.

10.4. Conditions to avoid:

High temperature. At temperature >250°C release of acrolein follows (results in eyes watering)

10.5. Incompatible materials:

Not determined.

10.6. Hazardous products of decomposition:

- carbon monoxides
- nitrogen oxides
- toxic gases and smokes

11. TOXICOLOGICAL INFORMATION

11.1. Information concerning toxicological effects:

Hazards to health:

- product is classified as hazardous

Toxic doses and concentrations:

None.

Inhalation:

Product may cause irritation of respiratory tract as a result of inhalation (sneezing, cough). Eyes/ skin:

May cause eyes mechanical irritation.

Exposure by way of digestive tract:

Swallowing of large amount of the product may result in gastric disorders (stomach ache, nausea, vomiting and diarrhoea).

Allergies:

- do not include allergens.

12. ECOLOGICAL INFORMATION

12.1. Toxicity:

- product is not classified as hazardous

12.2. Stability and decomposition potential:

Substance subjects to biodegradation.

12.3. Bioaccumulation potential:

No data.

12.4. Mobility:

No data

12.5. PBT and vPvB properties assessment result:

None.

12.6. Other harmful action results:

None

13. DISPOSAL CONSIDERATIONS

13.1. Metody unieszkodliwiania odpadów:

13.1.1. Product:

- waste kind: from manufacturing, preparation, trade and other not mentioned chemical products. Other not mentioned wastes.

- waste code: 07 07 99

If possible recover and reuse during manufacturing. Do not utilize along with commune wastes. Do not discharge of into sewers. Do not let any material enter surface water, ground water and soil. Utilize according to applicable regulations regarding chemical wastes.

Provide for neutralization, exclusively at designated sites, with installations and devices that meet statutory requirements.

13.1.2 Packaging:

- waste kind: Plastic package

- waste code: 15 01 02

Pay deposit for returnable packages apply.

14. TRANSPORT INFORMATION

Not classified as hazardous according to carriage regulations.

15. REGULATORY REGULATION

1. Regulation (CE) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning 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 (CE) No. 1488/94, as well as Council Directive 76/769/EEC and Commissions Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (30.12.2006 PL Official Journal of the European Community L 396/1) with subsequent amendments (9.10.2008 PL European Community Official Journal L268/14; 17.2.2009 PL European Community Official Journal L46/3; 26.6.2009 PL European Community Official Journal L164/7; 1.4.2010 European Community Official Journal L86/7; 31.5.2010 PL European Community Official Journal L133/1; 18.2.

2. PL European Community Official Journal L44/2; 21.5.2011 PL European Community Official Journal L134/2)

3. Regulation of the European Parliament and Council (CE) No. 1272/2008 as of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006 (referred to as GHS Regulation) (31.12.2008 PL Official Journal of the European Community L 353)

4. Act as of 25 February 2011 on chemical substances and their mixtures (Official Journal datek on 24 March 2011)

5. Act dated 27th April 2001 on waste together with the Regulation of the Minister of the Environment (Official Journal 2010 No.

185 item 1243)

6. Act dated 11th May 2001 on package and package waste (Official Journal No. 63, item 638 dated 2001)

7. Act as of 27 April 2001 environmental Protection Law (Official Journal 2008 No. 25 item 150)

8. Act as of 19 August 2011 on carriage of hazardous goods (Official Journal 2011 No. 227 item 1367)
9. Regulation of the Health Minister as of 5 March 2009 (Official Journal 2009 No. 53 item 439) on labeling of hazardous substances packages and hazardous preparations as well as some chemical preparations.
10. Regulation of the Health Minister as of 5 March 2009 (Official Journal 2009 No. 43 item 353) amending the regulation on criteria and qualification of chemical substances and preparations.
11. Regulation of the Minister of Labour and Social Policy dated 29th 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.; Official Journal No. 161 item 1141, 1142 from 2007; Official Journal No. 105 item 873 from 2009; Official Journal No. 141 item 950 from 2010).
12. Government statement as of 16 January 2009 on enforceability of amendments to Enclosure A and B of the European Agreement concerning international carriage of dangerous goods by road (ADR), drafted in Geneva on 30 September 1957 (Official Journal 2009 No. 27 item 162)
13. Regulation of the Minister of Environment dated 27th September 2001 on waste catalogue (Official Journal 2001 No 112 item 1206)
14. Declaration of the Economy, Labour and Social Policy Minister as of 28 August 2003 on announcement the uniform text of the Regulation of Social Policy and Labour Minister on general industrial safety regulations (Official Journal 2003 No. 169 item 1650).
15. Regulation of the Council of Ministers as of 10 September 1996 on list of jobs forbidden for woman (Official Journal 196 No. 114 item 545) as amended (Official Journal 2002 No. 127 item 1092).
16. Regulation of the Health Minister as of 2 February 2011 on examination and measurements of factors harmful for health at work environment (Official Journal 2011, No. 33, item 166).
17. (Dz.U. 2005 nr 73 poz. 645) ze zmiana (Official Journal 2007 nr 241 poz. 1772)
18. 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 (Official Journal No. 69 item 332 dated 1996) with subsequent amendments (Dz. U. No 37 item 451 and Dz. U. No. 128, item 1405 dated 2001)
19. Regulation of the Council of Ministers dated 24th 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)
20. Act dated 29th 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 11th 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 22nd 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).
21. Regulation of the Health Minister as of 8 February 2010 on the list of hazardous substances along with classification and labelling hereof (Official Journal 2010 No. 27 item 140 as of 22 February 2010)
22. Act as of 25 February 2011 on hazardous substances and mixtures (Official Journal 2011 No. 63 item 322)
23. Regulation of the Committee (EC) No. 252/2011 as of 15 March 2011 amending the Annex I to the Regulation (EC) No.1907/2006 of the European Parliament and Council on Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
24. REGULATION OF THE COMMITTEE (EC) No. 286/2011 as of 10 March 2011 amending for the purposes of adaptation to technical and scientific progress the Regulation of the European Parliament and Council (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures.
25. REGULATION OF THE COMMITTEE (EC) No. 253/2011 as of 15 March 2011 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council on Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) with reference to Annex XIII

15.2. Chemical safety assessment:

No data.

16. OTHER INFORMATION**The meaning of symbols and the contents of R phrases included in item 2:**

Xn	Harmful product
Xi	Irritating product
F	Highly flammable product
R11	Highly flammable product
R20/21/22:	Harmful by inhalation, in contact with skin and if swallowed
R36/38:	Irritating to eyes and skin
R67	Vapours may cause drowsiness and dizziness
Flam Liq.2	Flammable liquid (category 2)
AcuteTox4	Acute toxicity (category 4)
SkinIrrit2	Irritating to skin (category 2)

EyeIrrit2	Irritating to eyes (category 2)
STOT SE3	Toxic action on critical organs during one-time exposure (3 Category)
H225:	Highly flammable liquid and vapour
H302:	Harmful if swallowed
H312:	Harmful in contact with skin
H315:	Causes skin irritation
H319:	Causes serious eye irritation
H332:	Harmful if inhaled
H336:	May cause drowsiness or 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, Kopernika 35/9** 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.
