

1. PRODUCT IDENTIFICATION**MANUFACTURER, IMPORTER OR DISTRIBUTOR IDENTIFICATION****1.1. Data concerning the product:** APP ZU 500.**1.2. Intended use:** Multifunctional universal remover in pressure packing 600mL

APP no.: 211090.

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: 30. 10. 2007

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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 extremely flammable substance in spray
- vapours create flammable and explosive mixtures with air
- vapours are heavier than air and may float over the ground and return to the source of ignition
- there is the danger of the explosion of the container
- toxic gases, fumes and smoke liberated during combustion process

2.2. Hazard to health

Due to its form (aerosol) the product is not subject to classification with Xn warning and hazard phrase R65.

- the product is irritant
- Irritating action on skin
- Repeated exposure may cause skin dryness or cracking
- vapours may cause drowsiness and dizziness

2.3. Hazard to the environment.

- the substance is classified as hazardous to the environment.
- the product is toxic to aquatic organisms
- the product may cause long-term adverse effects in the aquatic environment
- avoid release to the environment
- refer to special instructions/safety data sheets

2.4. Other hazards:

Notice! Container under pressure. Protect from sunlight and the temperature of 50°C.

(e.g. heat coming from the bulb). Do not open violently or burn, also when used.

- Do not disperse towards fire or glowing materials. Keep away from sources of fire. Do not smoke
- It contains up to 75% extremely flammable weight components.
- In case of the lack of sufficient ventilation, the formation of explosive mixtures is possible.
- Keep out of reach of children.

3. COMPOSITION AND INFORMATION ON COMPONENTS

Product classification and marking was presented pursuant to the Act on chemical substances and preparations dated 11th 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. | | | |
| | Index no. | R phrase | Classification | Contents [%] |
| 1. | 203-448-7 | Propane, Butane - mixture | | |
| | 200-827-9 | | | |
| | 106-97-8 | | | |
| | 74-98-6 | | | |
| | 601-004-00-0 | R12 | F+ | 5 ÷ 10 |
| | 601-003-00-5 | | | |
| 2. | 265-151-9 | Light petrol treated with hydrogen (petroleum); low-boiling oil fraction treated with hydrogen H and P notes were applied. Does not contain benzene. | | |
| | 64742-49-0 | | | |
| | 649-328-00-1 | | | |
| 3. | 204-696-9 | Carbon dioxide | | |
| | 124-38-9 | | | |
| | None | | | |
| 4. | 200-662-2 | Aceton | | |
| | 67-64-1 | | | |

| | | | | |
|--|--------------|--------------------|-------|-----|
| | 606-001-00-8 | R11; R36; R66; R67 | F; Xi | <20 |
|--|--------------|--------------------|-------|-----|

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

4. FIRST AID MEASURES

4.1. General recommendations:

If any non-desirable symptoms occur, call the doctor immediately or take injured to hospital, show the product packing, label or MSDS.

4.2. First aid in case of inhalation exposure:

- 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
- protect from the loss of heat
- if breathing stops, give oxygen or apply artificial respiration
- medical attention necessary

4.3. 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 may cause frostbite on the skin.
- take off dirty clothing
- do not use any solvents or diluents for washing skin
- wash skin exposed to contact with the product, or only suspected to be exposed, with plenty of water with soap
- get medical attention.

4.5. First aid in case of swallowing:

- Swallowing of the product is unlikely due to its form
- rinse mouth with a lot of running water
- Do not give an unconscious person anything to drink
- do not induce vomiting
- medical attention necessary

5. FIRE FIGHTING MEASURES

5.1. Fire hazards:

- The product is extremely flammable substance in spray
- vapours create flammable and explosive mixtures with air
- vapours are heavier than air and may float over the ground and return to the source of ignition
- there is the danger of the explosion of the container
- toxic gases, fumes and smoke liberated during combustion process

5.2. Recommended extinguishing media:

- carbon dioxide (CO₂)
- extinguishing powders
- foams resistant to alcohol
- water – dispersed currents

5.3. Not recommended extinguishing media:

- water – strong jet

5.4. Special hazards:

- Containers expose to fire or high temperature cool with water, from a safe distance, and if this is not possible, remove them from hazard area
- during the burning of the product smoke containing chemical substances hazardous to health such as carbon monoxide and carbon dioxide, are created
- the explosion of the container may occur in the conditions of fire
- Notice! Container under pressure. Protect from sunlight and the temperature of 50°C. (e.g. heat coming from the bulb). Do not open violently or burn, also when used.
- Do not disperse towards fire or glowing materials. Keep away from sources of fire. Do not smoke
- It contains up to 10% extremely flammable weight components.
- In case of the lack of sufficient ventilation, the formation of explosive mixtures is possible.
- Keep out of reach of children.

5.5. General advice:

- Alarm about fire
- remove all people who do not take part in rescue operation from danger zone;

- if the need arises, order evacuation
- avoid inhaling the smoke
- remove all sources of ignition
- Wear protective clothing and use protective equipment
- protect respiratory tract
- cool containers exposed to contact with fire with water
- do not let extinguishing media enter the sewage system

5.6. Hazardous products of combustion:

- carbon monoxides
- toxic fumes and smokes

5.7. Personal protection:

- self-contained breathing apparatus and protective clothing
-

6. ACCIDENTAL RELEASE MEASURES

Notice: *Explosion endangered area - vapours create flammable and explosive mixtures with air*

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 large amounts of the product, wear self-contained breathing apparatus with a mask
- when removing, do not breathe in product vapours and aerosols
- 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:

- remove all sources of ignition
- 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
 - eliminate all possible sources of ignition, do not smoke
 - collected absorbing materials also create fire hazard
 - air the rooms which the product reached
 - wash the place of spillage after removing the material
-

7. HANDLING AND STORAGE

Notice: *Explosion endangered area - vapours create flammable and explosive mixtures with air*

7.1. Handling the product:

- product vapours may create flammable and explosive mixtures with air; when handling the product, ensure efficient air circulation (general ventilation of the room and local exhaust ventilation); do not let product vapours concentrations in the air, the mixtures of which with air may be explosive, and concentrations exceeding the values of hygienic standards
- ventilation and electrical installations must be suitable for the conditions determined due to fire or explosion hazard
- The product may accumulate static charge what may result in electric discharge and fire – apply precaution measures, used equipment shall be with earthing
- Do not inhale the product vapours, avoid direct contact of product with skin and eyes; use adequate personal protection measures
- do not allow the contact of the product with hot surface or flame, do not work near the sources of ignition, do not use sparking tools, absolute ban on smoking
- do not heat, do not cut and do not squeeze the containers with the product or its remains
- provide easy access to extinguishing media and the equipment necessary to remove the spillage of the product
- 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

- do not allow for the contamination of skin, eyes and clothing
- avoid long-term and repeated exposure
- work in ventilated rooms

7.2. Storage:

- store the product in cool, dry and well ventilated rooms,
- optimum storage temperature from 15°C to 25°C
- Protect the containers before direct action of sunlight, sources of heat, keep away of the sources of ignition; ban on smoking in the warehouse
- do not store near food

7.3. Requirements concerning the room:

- cool, dry and well ventilated.

7.4. Package:

- protect packages from mechanical damage

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.

Pursuant to the regulation of the Council of Ministers dated 30th July 2002 on the list of works forbidden to women (Dz. U. no. 127 dated 2002, item 1192), pregnant women and breast-feeding women are forbidden to perform operations if organic solvents concentration exceeds 1/3 value of permitted values

8.2. Precautions:

- Store and use well ventilated room.

8.3. Personal protection:

- Thoroughly wash the whole body after work.
- Wash contaminated clothing and footwear before another use

8.4. Hazard to health

Pursuant to the regulation of the Minister of Labour and Social Policy dated 29th November 2002 (Dz. U. no. 217 item 1833) with the amendment (Dz. U. No. 212 item 1769 dated 2005; Dz. U. No. 161 item 1141, 1142 dated 2007 :

| | | |
|-----------------|-----------------------------|-------------------------------|
| Propane: | NDS: 1800 mg/m ³ | NDSCh: Not determined |
| Butane: | NDS: 1900 mg/m ³ | NDSCh: 3000 mg/m ³ |
| Carbon dioxide: | NDS: 9000 mg/m ³ | NDSP: 27000 mg/m ³ |
| Acetate | NDS: 600 mg/m ³ | NDSP: 1800 mg/m ³ |

Light petrol is not in the list.

Below, the highest admissible concentration for fuels – derivatives of petroleum included in the list:

| | | |
|---------------------|-----------------------------|---|
| Extraction naphtha: | NDS: 500 mg/ m ³ | NDSCh: 1500 mg/m ³ (parallel marking of benzene in the air obligatory) |
| Petrol for paints: | NDS: 300 mg/ m ³ | NDSCh: 900 mg/ m ³ |
| Oil: | NDS: 100 mg/ m ³ | NDSCh: 300 mg/m ³ |

8.5. 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.
- PN-Z-04252-1: 1997 Air purity protection Tests for the contents of liquefied petroleum gas. Determination of propane and n-butane at work stations with gas chromatography method.
- PN-Z-04252-1: 1998 Air purity protection Tests for butane contents. Determination of n-butane and liquefied petroleum gas components at work stations with gas chromatography method.
- PN-81/Z-04134/01. Air purity protection. Tests defining the contents of oil and its components. Determination of petrol odours sum for extraction, petrol for lacquers and petroleum on work stations with gravimetric method
- PN-81/Z-04134/02. Air purity protection. Tests defining the contents of oil and its components. Determination of petrol odours sum for extraction, petrol for lacquers and petroleum on work stations with gas chromatography method along with sample enriching
- PN-81/Z-04134/03. Air purity protection. Tests defining the contents of oil and its components. Determination of C petrol odours for lacquers at work stations with gas chromatography method along with sample enriching.
- PN-92/Z-04227/02. Air purity protection. Test for oil contents. Determination of petroleum odours at work stations with gas chromatography methods.
- PN-74/Z-04095/01. Air purity protection. Tests for contents of carbon dioxide. Determination of carbon dioxide at work stations with the method with strontium hydroxide.
- PN-74/Z-04095/02. Air purity protection. Tests for contents of carbon dioxide. Determination of carbon dioxide at work stations with volumetric method with Manogaz-1 apparatus.

- PN-79/Z-04057. Sheet 01. Air purity protection. Tests for contents of acetone. Determination of acetone at work stations with gas chromatography method along with sample enriching.
- PN-89/Z-04023. Sheet 02. Air purity protection. Tests on the contents (in the mixtures) of harmful substances separating from nitrocellulose painted goods. Determination of acetone, alcohols: ethyl, n-butyl, isobutyl, ethoxyethyl, butoxyethyl; acetates: ethyl, n-butyl, ethoxyethyl, toluene and xylene at work stations with gas chromatography method.

8.6. 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.

When substance concentration is determined and known, personal protection media should be selected with the consideration of the concentration of the substance occurring at a given work station, time of exposure and the activities performed by the employee pursuant to the catalogue "Individual protection media" issued by Central Institute for Labour Protection.

In case of emergency, even if the concentration of the substance at work station is not know, use individual protection media of the highest recommended protection class.

8.7. Personal protection ensuring adequate protection:

- hands: protective gloves made of materials resistant to the action and permeating of organic solvents
- skin: protective clothing
- respiratory tract: ensure good ventilation; in case of short-term exposure or small concentrations, use purifying equipment with multi-gas absorber, at longer-exposure or at high concentrations use self-contained breathing apparatus
- eyes: protective goggles or mask protecting the face

Notice! Recommended protective equipment must be certified for safety mark pursuant to the Regulation of the Council of Ministers dated 9th 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 in spray |
| colour: | transparent |
| odour: | characteristic-petrols |
| pH | not determined |
| boiling point: | not determined |
| melting point: | not determined |
| burning temperature: | not determined |
| flash point | not determined |
| autoignition temperature: | >250°C |
| combustibility: | Extremely flammable liquid in spray |
| explosive properties: | The product is not endangered with explosion; vapours create explosive mixtures with air |
| hazard danger boundaries: | |
| - lower: | 0,6% (vol.) |
| - upper: | - |
| oxidizing properties: | 3,5 mbar |
| vapour pressure: | not determined |
| density: | 0,72 g/cm ³ (in the temperature of 20°C) |
| vapour density: | >1 |
| solubility: | |
| - in water: | does not mix |
| - in organic solvents: | does mix |
| Distribution ratio n- octanol/water | not determined |

10. STABILITY AND REACTIVITY

10.1. Stability:

- stable in normal conditions of application and storage

10.2. Conditions to avoid:

- empty containers may contain explosive vapours of the product
- Notice! Container under pressure. Protect from sunlight and the temperature of 50°C. (e.g. heat coming from the bulb). Do not open violently or burn, also when used.
- excessive heating up the substance, source of ignition, direct action of sunlight
 - electrostatic discharge
 - avoid the creation of product vapours mixtures with air and product aerosols (possibility of exposure)

10.3. Materials to avoid:

- strong oxidizing agents
- strong acids and bases

10.4. Hazardous products of decomposition/combustion:-

- carbon monoxides
- toxic gases and smokes

11. TOXICOLOGICAL INFORMATION**11.1. Hazards to health**

Due to its form (aerosol) the product is not subject to classification with Xn warning and hazard phrase R65.

- the product is irritant
- irritating action on skin
- Repeated exposure may cause skin dryness or cracking
- product vapours may cause drowsiness and dizziness

11.2. Toxic doses and concentrations:

No data is available for the finished product.

Below data for the product components

Propane:

Odour recognition threshold: 9022 ÷ 36088 mg/m³

Butane:

Odour recognition threshold: 6240 mg/m³
LC50 (rat, inhalation): 658000 mg/m³/4 hours

Carbon dioxide:

LCL0 (human, inhalation): 0,01 mg/m³

Acetate:

Odour recognition threshold: 484 ÷ 968 mg/ m³
LD50 (rat, orally): 7,400 mg/kg
LC50 (rat, inhalation): 50,100 mg/m³ /8 hours
LD50 (rabbit, skin): 20,000 mg/kg
LCL0 (rat, inhalation): 38,720 mg/m³ /4 hours
TCL0 (man, inhalation): 1,210 mg/m³

Below data for petrols - petroleum derivatives:

Solvent naphthta:

LD50 (rat, orally): 6800 mg/kg
LC50 (rat, inhalation): 10,2 mg/m³/4 hours
LD50 (rabbit, rat,skin): 3400 mg/kg

Below data for petrols - petroleum derivatives:

Literature data for petrol:

LD50 (rat, Intragestric administration): >3,000 mg/kg
LD50 (rat, skin): >3,000 mg/kg
LC50 (rat, inhalation): 10,200 ÷ 33,000 mg/m³ /4 hours

Toxic doses and concentrations for petrols (general):

LC50 (mouse, inhalation): 40 ÷ 111.5 g/ m³ /2hours
LC50 (rat, inhalation): 105 g/ m³ /2hours
LC50 (guinea pig, inhalation): 71 ÷ 91 g/ m³ /2hours

11.3. Effects of acute exposure at people (for the product):**Inhalation:**

In high concentrations the product vapours may be irritant to respiratory tract and eye mucosa (they cause lacrimation and eye pain, conjunctival congestion, cough, throat and nose burning), it may have narcotic action.

The action on central nervous system manifests itself with stupor, pain and dizziness, somnolence.

Skin contact:

Repeated exposure may cause skin dryness or cracking. The product may cause sensitisation by skin contact. Persons with allergic predispositions should be particularly careful. Skin irritation is possible and in extreme cases burns may occur (at long-term, constant exposure).

Eye contact:

Vapours may cause eye mucosa irritation manifesting itself with reddening, lacrimation and pain.

It causes eye irritation in case of direct contact.

Swallowing:

Swallowing of the product is unlikely due to its form. However, swallowing causes irritation of mucosa of alimentary system, stomachaches, nausea, vomiting, and symptoms connected with the action of the substance on the system.

11.4. Effects of chronic exposure:

- Skin contact may cause sensitization, and frequent contact may be the reason of defatting and skin inflammations
- Functional disorders of nervous system may occur (headaches and dizziness, nausea) and/or inflammations of upper respiratory tract.

12. ECOLOGICAL INFORMATION**12.1. Hazards for the environment.**

- The product is classified as hazardous to the environment
- The product is toxic to aquatic organisms
- The product may cause long-term adverse effects in the aquatic environment.
- Avoid release to the environment.
- Refer to special instructions/safety data sheets

12.2. Ecotoxic action:**Acetate:**

Toxic concentration limit for:

- | | | |
|-------------|---------------------------------|-------------------------|
| - bacteria: | <i>Pseudomonas putida:</i> | 1,7 g/dm ³ |
| - algae: | <i>Scenedesmus quadricauda:</i> | 7.5 g/dm ³ |
| | <i>Microcystis aeruginosa:</i> | 0.53 g/dm ³ |
| - plankton: | <i>Vorticella campanula:</i> | 1,0 g/dm ³ |
| - protozoa: | <i>Entosiphon sulcatum:</i> | 0,028 g/dm ³ |

Deadly concentration for:

- | | | |
|--------------|---------------------------------------|---------------------------------|
| - fish: | <i>Leuciscus idus melanotus</i> LC50: | 7.5 g/dm ³ /48 hours |
| - Shellfish: | <i>Daphnia magna</i> EC50: | 10 g/dm ³ /24 hours |

Below data for petrols - petroleum derivatives:

The highest admissible values of contamination indices in sewage entered into water and ground according to the Regulation of the Minister of the Environment of 29th November 2002 on the conditions which have to be met when entering the sewage into waters and ground and on the substances particularly harmful for aquatic environment (Dz. U. No. 212 item 1799 of 2002).

- | | |
|-------------------------------------|-------------------------|
| - for petrol-derivative substances: | 15.0 mg/dm ³ |
|-------------------------------------|-------------------------|

Toxic concentrations of petrols (in general) for aqueous organisms:**Toxic concentration limit for:**

- | | | |
|-------------|---|------------------------|
| - fish: | <i>Salmo gairdneri irideus</i> and <i>Alburnus bipunctatus:</i> | 40 mg/dm ³ |
| - plankton: | <i>Vorticella campanula:</i> | 55 mg/dm ³ |
| | <i>Gammarus pulex:</i> | 70 mg/dm ³ |
| | <i>Tubifex Tubifex:</i> | 120 mg/dm ³ |

Deadly concentration for fish:

- | | |
|---------------------------------|------------------------|
| <i>Salmo gairdneri irideus:</i> | 100 mg/dm ³ |
|---------------------------------|------------------------|

No data available on the mobility of the described substance in various ecosystems, its ability for bioconcentration, biodegradation or ecotoxicity. Do not let any material enter surface water, ground water and soil.

Proceed pursuant to the regulations. Do not let the product enter natural environment. Properly used product does not cause danger to the environment. Do not let any material enter surface water, ground water and soil. Do not dispose in the sewage system. It is forbidden to dispose of the product to sewers or water courses.

13. DISPOSAL CONSIDERATIONS**13.1. Disposal:****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)

| | |
|-------------|--|
| Waste code: | Waste kind |
| 08 01 11 | Waste of paints and varnishes containing organic solvents or other dangerous substances. |

13.2. Package disposal:

Carefully empty containers. After emptying, ventilate in a safe place away from possible sources of ignition.

13.3 Package:

- waste kind Packages containing the remains of dangerous substances or contaminated with them
- Waste code: 15 01 10*
- Dangerous waste

Package pursuant to the Act dated 11th May 2001 on Package and Package Waste (Dz. U. No 63 item 638 dated 2001) is subject to the obligation of depositing unit packages and returning them.

14. TRANSPORT INFORMATION

14.1. Road transport:

| | |
|----------------------------------|-------------------------|
| Class ADR/RID: | 2 |
| UN material recognition no.: | 1950 |
| Classification code: | 5F |
| Label: | No. 2.1 |
| Name in transport documentation: | 1950 AEROSOL CONTAINERS |

15. REGULATORY REGULATION

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

Package marking:

Product contains:

- Acetate (<20%)

Vapours may cause drowsiness and dizziness.

Warning marks:



F+ Extremely flammable product



Xi Irritating product



N Product hazardous for the environment

Hazard phrases:

- R38 Irritating action on skin
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R66 Repeated exposure may cause skin dryness or cracking
- R67 Vapours may cause drowsiness and dizziness.

Phrases indicating conditions of safe usage:

- S2 Keep out of the reach of children.
- S16 Do not store near ignition sources – do not smoke
- S23 Do not breathe dispersed liquid
- S26 Immediately flush contaminated eyes with plenty of water and seek medical advice
- S45 In case of emergency or if you feel bad, seek medical advice immediately and show the label if possible
- S51 Use only in well ventilated areas
- S61 Avoid release to the environment. Refer to special instructions/material safety data sheets

Other hazards:

The following inscription should be placed on the container:

- Container under pressure: protect from sunlight and heating up above the temperature of 50°C. Do not pierce or burn, also when used.
- Do not disperse over open fire or glowing material. Protect from ignition sources – do not smoke when dispersing. Keep out of the reach of children.

Regulations in force:

- 1 Regulation (EC) no. 1907/2006 of the European Parliament and European Council dated 18th 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)
- 2 Act dated 11th January 2001 on chemical substances and preparations (Dz. U. No 11 item 84 dated 2001) with subsequent amendments)
- 3 Act dated 27th 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 11th 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 28th October 2002 on land transport of hazardous materials (Dz. U. No 199 item 1671 dated 2002) with subsequent amendments
- 7 The Regulation of the Minister of Health dated 30th 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 2nd September 2003 on marking of dangerous substance and preparation packages (Dz. U. No 173 item 1679 dated 2003) with subsequent amendments of 9th November 2004 (Dz. U. No 260 item 2595 dated 2004) .) with the consideration of the Commission Directive 2006/8/EC of 23rd January 2006
- 9 Regulation of Minister of Health of 2nd September 2003 on criteria and classification method for chemical substances and preparations (Dz. U. No 171 item 1666 dated 2003) with subsequent amendment of 9th October 2004 (Dz. U. No 243 item 2440 dated 2004) with the consideration of the Commission Directive 2006/8/EC of 23rd January 2006
- 10 Regulation of Minister of Health dated 3rd July 2002 on Material Safety Data Sheet (Dz. U. No 140 item 1171 dated 2002) together with the Regulation of Minister of Health of 14th December 2004 amending the regulation on Material Safety Data Sheet (Dz. U. No 2 item 8 dated 2005).
- 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 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 and Dz. U. No. 161 item 1142 of 2007r.
- 13 Government announcement dated 26th 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 30th September 1957 (Dz. U. No. 178, item 1481 dated 2005)
- 14 Regulation of the Minister of Environment dated 27th September 2001 on waste catalogue (Dz. U. 2001 No 112 item 1206 dated 2001)
- 15 Regulation of the Minister of Labour and Social Policy dated 11th 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).
- 17 Regulation of the Council of Ministers dated 30th July 2002 amending the regulation on the list of works forbidden to women (Dz. U. No. 127, item 1092 dated 2002). Regulation of the Minister of Health dated 20th 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 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)
- 21 Regulation of Minister of Economy and Labour dated 5th 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 1st 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 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).

16. OTHER INFORMATION

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

| | |
|--------|---|
| F+ | Extremely flammable product |
| F | Highly flammable product |
| Xn | Harmful product |
| Xi | Irritating product |
| N | Product hazardous for the environment |
| R11 | Highly flammable product |
| R12 | Extremely flammable product |
| R36 | Irritating to eyes |
| R38 | Irritating action on skin |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R65 | Harmful action; the product may cause lung damage if swallowed |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| R67 | Vapours may cause drowsiness and dizziness. |

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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, 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.
