

AUTO-PLAST PRODUCT	MATERIAL SAFETY DATA SHEET		Page 1 out of 10
	Revision date: 2011-04-12	Epoxy Thinner EP APP	

MANUFACTURER, IMPORTER OR DISTRIBUTOR IDENTIFICATION

1.1. Data concerning the product:	APP 2K Epoksy-Verdunnung
1.2. Intended use:	Epoxy thinner APP NO.: 030146
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 Mail: app@app.com.pl Strona WEB: www.app.com.pl
Emergency telephone:	Tel. +48 (061) 437 00 00 Current safety data and technical information available at the website.
Osoba odpowiedzialna:	Tomasz Gołda, t.golda@app.com.pl
Date of MSDS preparation:	12.04.2011 r.

3. HAZARDS IDENTIFICATION

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

Product identification: R10; Xn: R20/21; R65; Xi: R37/38; N: R51/53

2.1. Physical and chemical hazards:

- flammable liquid
- vapours create flammable and explosive mixtures with air
- vapours may float from the source of ignition and return in the form of flame
- heating up, spark or contact with fire may cause ignition
- liberates toxic gases in the conditions of fire

2.2. Hazard to health

- the product is harmful
- harmful for respiratory tract and when in contact with skin
- the product may cause lung damage if swallowed
- the product is irritant
- irritating for respiratory tract and skin

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

3. COMPOSITION AND INFORMATION ON COMPONENTS

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.

3.1. Hazardous components:

No.	EC no.(EINECS)	Product name:		
	CAS no.	R phrase	Classification	Contents [%]
1.	215-535-7	Ksilen	R10; R20/21; R38	Xn;
	1330-20-7			
	601-022-00-9			
2.	265-199-0	Naphtha solvent (petroleum), light aromatic hydrocarbons; Volatile spirits H and P notes. Benzene free.	R10; R65; R37; R66; R67; R51/53	Xn; N
	64742-95-6			
	649-356-00-4			
3.	203-603-9	2-Propanol, 1-methoxy-, acetate	R10; R36	Xi
	108-65-6			
	607-010-00-7			
4.	202-436-9	1,2,4-trimethylbenzene	R10; R20; R36/37/38; R51/53	Xn; N
	95-63-6			
	601-043-00-3			

5.	203-631-1	Cyclohexanone	R10; Xn: R20	Xn;
	108-94-1			
	606-010-00-7			
6.	200-751-6	n-butanol; butyl alcohol	R10; R22; R37/38; R41; R67	Xn;
	71-36-3			
	603-004-006			
7.	203-604-4	Mesitylene; 1,3,5-trimethylbenzene	R10; R37; R51/53	Xi; N
	108-67-8			
	601-025-00-5			
8.	202-704-5	Cumene	R10; R37; R65; R51/53	Xn; N
	98-82-8			
	601-024-00-X			

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
- Prevent against heat loss
- If the injured breathless give oxygen or proceed to provide artificial breathing
- Seek medical assistance in case of problems with breathing

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
- Seek medical assistance, if alarming symptoms followed

Notice: Persons exposed to eye contamination should be advised about the necessity and method of immediate washing the eyes.

4.4. First aid in case of skin contamination:

- 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
- Seek medical assistance, if alarming symptoms followed

4.5. First aid in case of swallowing:

- rinse mouth with a lot of running water
- Do not give an unconscious person anything to drink
- do not induce vomiting
- medical attention necessary

Caution: Position the unconscious person in the recovery position, ensure quiet, prevent against heat loss, control breathing and pulse. Never provide drink or induce vomiting in case of loss of consciousness.

5. FIRE FIGHTING MEASURES

5.1. Fire hazards:

- flammable liquid
- vapours create flammable and explosive mixtures with air
- vapours may float from the source of ignition and return in the form of flame
- heating up, spark or contact with fire may cause ignition
- liberates toxic gases in fire

5.2. Recommended extinguishing media:

- carbon dioxide (CO₂)
- extinguishing powders
- foams resistant to alcohol
- water – dispersed currents
- In case fire of preparations including isocyanates fire foam may be applied

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, nitrogen monoxides, hydrogen cyanide and cyanides are created.
- the explosion of the container may occur in the conditions of fire

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
- nitrogen monoxides
- hydrogen cyanide and cyanides
- toxic fumes and smokes

5.7. Personal protection:

- self-contained breathing apparatus and protective clothing
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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
- 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
- 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:

- When handling the preparation ensure air exchange (ventilation of the spaces and the local exhaust system); prevent formation of preparation vapour concentration in the air over limits in industrial safety and hygiene regulations
- Do not inhale product vapours, avoid direct contact with skin and eyes; apply adequate personal protection means
- 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
- 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
- store the product in original and tightly closed containers
- optimum storage temperature from 15°C to 25°C
- previously opened containers store vertically to make the leakage of the product impossible
- 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
- do not let water enter the container

7.3. Requirements concerning the room:

- cool, dry and well ventilated.

7.4. Package:

- for safety reasons, it is recommended to store the product in original packages
 - 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. 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

Pursuant to the Regulation of the Council of Ministers as of 30 July 2002 amending the regulation on the list of works forbidden to juveniles (Official Journal No. 127 item 1091 from 2002) it is forbidden to perform any works by juveniles that result in contact with z isocyanates and disocyanates.

8.2. Precautions:

- Ensure station for eyes washing and shower
- 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

According to the Regulation of the Labour and Social Policy Minister as of 29 November 2002 (Official Journal No. 217 item 1833) with amendments (Official Journal No. 212 item 1769 from 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):

Xylene:	NDS: 100 mg/m ³	NDSCh: not determined
Cyclohexanone:	NDS: 40 mg/m ³	NDSCh: 80 mg/m ³
Trimetylobenzen:	NDS: 100 mg/m ³	NDSCh: 170 mg/m ³
Cumene	NDS: 100 mg/m ³	NDSCh: 250 mg/m ³
2-Propanol, 1-methoxy-, acetate	NDS: 260 mg/m ³	NDSCh: 520 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-78/Z-04116/01 Air purity protection. Examination of xylene contents. Determination of xylene on work stations with activated sample with gas chromatographic method.
- 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-76/Z-04087. Air purity protection. Determination of cyclohexanone contents at work stations with colourimetric method.
- PN-Z-04016-4:1998. Air purity protection. Examination of trimetylobenzenu contents. Determination of trimetylobenzenu at work stations with gas chromatographic method.
- PN-Z-04016-6:1998. Air purity protection. Examination of Cumene contents. Determination of Cumene at work stations with gas chromatographic method.
- Method recommended by R&D units in the labour medicine. Octan 2-metoksy-1-metyloetyl
- PN-86/Z-04155/02. Air purity protection. Tests for the contents of butyl alcohol. Determination of izobutyl and n-butyl alcohol at work stations with gas chromatography method.

8.6. Permitted concentration in biological material (DSB):

Xylene:

- Substance marked: methyl hippuric acid
- Permitted concentration in biological material (DSB): 1.4 g/l in urine

Cyclohexanone:

- Substance marked: cykloheksanon
- Permitted concentration in biological material DSB – 5.0 mg of cyclohexanone/g kreatynine

8.7. 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 known, 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.

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
colour:	transparent
odour:	characteristic
pH	not determined
boiling point:	not determined
melting point:	not determined
burning temperature:	not determined
flash point:	not determined
autoignition temperature:	<u>not determined</u>
combustibility:	flammable liquid
explosive properties:	The product is not endangered with explosion
hazard danger boundaries:	
- lower:	-
- upper:	-
oxidizing properties:	none
vapour pressure:	<u>not determined</u>
density:	<u>not determined</u>
vapour density:	not determined
rozpuszczalność:	
- in water:	does not mix, or poor mixing
- in organic solvents:	does mix

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
- high temperature
- sources of ignition

10.3. Materials to avoid:

- strong oxidizing agents

10.4. Hazardous products of decomposition/combustion:-

- carbon monoxides
- toxic gases and smokes

11. TOXICOLOGICAL INFORMATION

11.1. Hazards to health

- the product is harmful
- harmful for respiratory tract and when in contact with skin
- the product may cause lung damage if swallowed
- the product is irritant
- irritating for respiratory tract and skin

11.2. Toxic doses and concentrations:

No data is available for the finished product.

Naphtha solvent:

LD50 (rat, orally): 3000 mg/kg
LD50 (rabbit, skin): > 3160 mg/kg >14.4
LC50 (rat, inhalation): mg/l/4 h.

Xylene:

LD50 (rat, orally): 4300 mg/kg
LC50 (rat, inhalation): 32100 mg/m³/2 h.

Cyclohexanone:

LD50 (rat, orally): 1620 mg/kg 790 mg/kg

Butanol:

LD50 (rat, orally): 3400 mg/kg
LD50 (rabbit, skin): 24640 mg/m³/h.

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 Ecotoxicity:

Naphtha solvent:

Acute toxicity for fish LL50 (Rainbow trout): 18mg/m3/96h. Acute toxicity for crustaceans EL50 (Dahpnia magna): 21.3mg/m3/48h.
Acute toxicity for algae EL50: 1-10 mg/m3 Xylene:
Acute toxicity for fish LC50 (Salmo gairdneri): 3.77mg/m3/96h. Acute toxicity for crustaceans EC50 (Dahpnia magna): 7.4mg/m3/ 48h.
Acute toxicity for algae EL50: 10-100 mg/m3 Acute toxicity for bacteria EC50: >100 mg/m3 Cyclohexanone:
Acute toxicity for fish LC50: 536 mg/m3/ 96h.
Acute toxicity for crustaceans EC50 (Dahpnia magna): 820mg/m3/48h. Acute toxicity for algae EC0: 370 mg/m3 Buthyl alcohol:
Acute toxicity for fish LC50 (Carassius auratus): 1740mg/m3/96h. Acute toxicity for crustaceans EC50 (Daphnia magna):
1983mg/m3/48h. Acute toxicity for algae EC50: >500 mg/m3 (Scenedesmus subspicatus)
No data available on mobility of the preparation in different ecosystems, bioaccumulation, biodegradation and ecotoxicity. Prevent contamination of surface waters and groundwater and soil. Follow applicable regulations. Prevent penetration into the natural environment. When properly used the product does not pose any threat for the environment. Prevent contamination of surface waters and groundwater and soil. Do not dispose of to the sewer. Do not dispose of to watercourses and gutters.

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)

13.2. Package contents:

- waste kind: other organic solvents, solvents resulted from washing and original fluids
- Waste code: 07 01 04*
- Dangerous waste

13.3. Package:

- waste kind: Metal package
 - Waste code: 15 01 04
 - waste kind: Plastic package
 - Waste code: 15 01 02
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14. TRANSPORT INFORMATION

Road transport:

Class ADR/RID:: Class 3
Classification code:F1
UN material recognition no.:1993
Shipping name: Flammable material, fluid and n.o.
Danger recognition no.: 30
Label: 3
Package group:III

15. REGULATORY REGULATION

Classification and marking of the product followed according to rules in the Regulation of the European Parliament and Council (EC)No. 1272/2008 and on the basis of data provided by the manufacturer.

Preparation is classified as hazardous. Regulations on labelling of hazardous preparations apply.

Package marking:

Product contains:

Xylene
Naphtha solvent

Warning marks:

Xn	Harmful product
N	Product hazardous for the environment

Hazard phrases:

R10	Flammable
R20/21	Harmful by inhalation and in contact with skin
R37/38	Irritating to respiratory system and skin
R65	Harmful: may cause lung damage if swallowed
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Phrases indicating conditions of safe usage:

S23	Do not breathe vapour
S24/25	Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and Glover
S51	Use only in well-ventilated areas
S57	Use appropriate containment to avoid environmental contamination
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible

Notes:

If the product is offered for sale:

- The containers shall be properly labelled - a warning symbol shall be detected by touch
- The following additional phrase shall be applied: "S2 Keep away from children" and "S46 in case of swallowing seek medical assistance – show a package or a label"

- Regulations in force:

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)
2. 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)
3. Act as of 11 January 2001 on chemical substances and preparations (Official Journal No. 11 item 84 from 2001) along with later amendments, including: Act as of 9 January 2009 on amendment of the act on chemical substances and preparations and some other acts (Official Journal 2009 no. 20 item 106)
4. 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)
5. Act dated 11th May 2001 on package and package waste (Dz. U. No. 63, item 638 dated 2001)
6. Act as of 27 April 2001 environmental Protection Law (Official Journal 2008 No. 25 item 150)
7. Act dated 28th October 2002 on land transport of hazardous materials (Dz. U. No 199 item 1671 dated 2001) with subsequent amendments
8. Regulation of the Health Minister as of 5 March 2009 (Official Journal 2009 No. 53 item 439) on labelling of hazardous substances packages and hazardous preparations as well as some chemical preparations,
9. Regulation of the Health Minister as of 5 March 2009 (Official Journal 2009 No. 43 item 353) amending the regulation on criteria and qualification if chemical substances and preparations.
10. 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)
11. 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)
12. 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)
13. 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 as amended (Official Journal 2007 No. 241 item 1772)
14. 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)
15. Regulation of the Council of Ministers as of 24 August 2004 on list of jobs forbidden for juveniles and conditions of employment for some jobs (Official Journal 2004 No. 200 item 2047) as amended (Official Journal 2005 No. 136 item 1145)
16. Act as of 29 July 2005 on Counteracting Drug Addiction (Official Journal 2005 No. 179 item 1485) as amended (Official Journal 2006 No. 120, item 826 and Regulation (CE) No. 273/2004 of the European Parliament and Council as of 11 February 2004 on drug precursors (Official Journal CE L 047 as of 18.02.2005) and Regulations (CE) and Council No. 111/2005 as of 22 December 2004 laying down rules for monitoring of drug precursors trade between the Community and Third Countries (Official Journal WE L 22 as of 26.01.2005, page 1; Official Journal CE Polish Edition from 2005, Volume 48, page 1) 4 as amended (Official Journal 2011 No. 63 item 322)
17. 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)
18. Act as of 25 February 2011 on hazardous substances and mixtures (Official Journal 2011 No. 63 item 322)
19. Regulation of the Committee (EC) No. 252/2011 as of 15 March 2011 amending the Annex I to the Regulation (CE) No.1907/2006 of the European Parliament and Council on Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
20. 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 (CE) No. 1272/2008 on classification, labelling and packaging of substances and mixtures.
21. REGULATION OF THE COMMITTEE (EC) No. 253/2011 as of 15 March 2011 amending the Regulation (CE) No. 1907/2006 of the European Parliament and Council on Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) with reference to Annex XIII.

16. OTHER INFORMATION**The meaning of symbols and the contents of R phrases included in item 2 and 3:**

Xn	Harmful product
Xi	Irritant product
N	Product hazardous for the environment
R10	Flammable
R20/21	Harmful by inhalation and in contact with skin
R22	Harmful if swallowed
R36	Irritating to eyes
R37	Irritating to respiratory system
R38	Irritating to skin
R37/38	Irritating to respiratory system and skin
R36/37/38	Irritating to eyes, respiratory system and skin
R41	Risk of serious damage to eyes
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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. 90-552 Iódź, 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.