

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

<b>1.1. Data concerning the product:</b>	<b>MS Polymer</b>
<b>1.2. Intended use:</b>	<b>Unary, permanently flexible, quick drying, coverable with all types of automotive lacquers polymer spray sealing mass.</b>
	<b>APP no. 040403</b>
<b>Distributor:</b>	<b>AUTO – PLAST PRODUKT Sp. z o. o.</b> <b>Ul. Przemysłowa 10, 62 – 300 Września</b> Tel. +48 (061) 437 00 00 Fax. +48 (061) 437 91 37 e-mail: app@app.com.pl www: <a href="http://www.app.com.pl">www.app.com.pl</a>
<b>Emergency telephone:</b>	Tel. +48 (061) 437 00 00 Current safety data and technical information available at the website.
<b>Date of MSDS preparation:</b>	28. 05. 2009 r.

**2. HAZARDS IDENTIFICATION**

According to regulations in force (see par. 15) the product is classified as dangerous.

**2.1. Physical and chemical hazards:**

- product does not cause fire hazard
- during combustion toxic gases, vapours and smoke are released

**2.2. Hazard to health:**

- product is not dangerous for human health and life
- sabacate bis(1,2,2,6,6-pentamethyl-4-piperidine) in the product may cause allergic reactions
- product may cause irritation of eyes, skin and respiratory system

**2.3. Hazard to the environment:**

- product is not classified as dangerous for environment
- avoid release to the environment
- refer to special instructions/safety data sheets

**3. COMPOSITION AND INFORMATION ON COMPONENTS**

Classification of dangerous substances in the product is given according to table 3.2 of appendix VI to decree of European Parliament and Council (EC) no. 1272/2008 (GHS decree), including 30 and 31 ATP to 67/548/EEC and upon the basis of data supplied by the producer.

**3.1. Hazardous components:**

No.	EC no.(EINECS)	Product name:		
	CAS no.	R phrase	Classification	Index no.
1.	220-449-8	Vinyltrimetoxysilane		
	2768-02-7	The substance is not included in the list. Classification is defined according to the producer's data.		
	None	<b>R10; R20</b>	<b>Xn</b>	<b>1 ÷ 5</b>

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
- in case of alarming symptoms seek the medical assistance

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

- remove contact lenses
- wash opened eyes with plenty of lukewarm water for at least 15 minutes, avoid strong water jet which may cause the risk of damaging cornea, in case of contamination of one eye protect the other eye
- seek the oculist assistance

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

- take off dirty clothing, wash skin with plenty of water with soap

- in case of skin irritation or allergy seek the dermatological assistance

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

- wash mouth with water
- seek the medical assistance, show package, label or product sheet
- keep the victim calm and warm

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

- product is not dangerous
- liberates toxic gases in fire

**5.2. Recommended extinguishing media:**

- suitable for materials in the vicinity

**5.3. Not recommended extinguishing media:**

- none

**5.4. Special hazards:**

- none

**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:**

- toxic fumes and smokes

**5.7. Personal protection:**

- self-contained breathing apparatus and protective clothing

**6. ACCIDENTAL RELEASE MEASURES****6.1. Environmental precautions:**

- do not let into the sewage system
- do not allow for surface and underground water or ground contamination
- Eliminate spillage (shut off liquid flow, seal the damaged package)

**6.2. Cleaning procedures:**

- collect released product to the closed and marked container
- reuse the product if possible

**7. HANDLING AND STORAGE****7.1. Handling the product:**

- handle the product pursuant to the general principles of work health and safety
- follow the producer's instructions
- do not eat during the product operation
- wash hands before the breaks and after work, if necessary use hand cream

**7.2. Storage:**

- store the product in dry rooms
- do not store near food

**7.3. Package:**

- Store in tightly closed, adequately marked containers

**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. 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:**

According to Labour and Social Policy Minister decree from 29th of November, 2002 (Journal of Laws No. 217, pos. 811) with amendments (Journal of Laws No. 212 pos. 1769 from 2005; Journal of Laws No. 161 pos. 1141, 1142 from 2007):

- product does not contain ingredients requiring exposition control

**8.5. Hygienic advice:**

Avoid direct contact of the product with skin and eyes; do not eat and drink when handling the product, wash hands before breaks at work and after finishing work with the product, use hand cream when necessary.

**8.6. Personal protection ensuring adequate protection:**

hands: protective gloves  
skin: not required  
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,:	paste
colour:	according to indicated on the label
odour:	weak
pH:	not determined
boiling point:	270°C
melting point:	not determined
burning temperature:	not determined
burning temperature:	227°C
autoignition temperature:	n/a
combustibility:	not dangerous
explosive properties:	n/a
hazard danger boundaries:	
- lower:	-
- upper:	-
oxidizing properties:	none
vapour pressure:	not determined
density:	1.453 g/cm <sup>3</sup> (20°C)
vapour density:	not determined
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:**

- moisture

**10.3. Materials to avoid:**

- water – product reacts with water

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

- toxic gases and smokes

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

- product is not dangerous for human health and life

- sabacate bis(1,2,2,6,6-pentamethyl-4-piperidine) in the product may cause allergic reactions
- product may cause irritation of eyes, skin and respiratory system

**11.2. Doses lethal for animals:****Vinyltrimetoxysilane:**

LD50 (rat, orally): 11300 mg/kg

LD50 (rabbit, skin): 3540 mg/kg

**11.3. Exposure results for people (for 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).

**Skin contact:**

Repeated exposure may cause skin dryness or cracking. The product may cause sensitisation by skin contact. with allergic predispositions should be particularly careful

**Eye contact:**

Product may cause eyes irritation in case of direct contact.

**Swallowing:**

The product may cause lung damage if swallowed. Irritation of mucosa of alimentary system, stomachaches, nausea, vomiting, diarrhoea and symptoms connected with the action of the substance on the system.

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

- product is not classified as dangerous for environment
- Avoid release to the environment.
- Refer to special instructions/safety data sheets

**12.2. Ecotoxic influence:**

No data for ready product and its ingredients.

**12.3. Mobility:**

- no data

**12.4. Permanence and degradability:**

- no data

**12.5. Bioaccumulation ability:**

- no data

**12.6. PBT properties assessment results:**

- no data

**12.7. Other harmful effects:**

- content of chemically bounded chlorine: none
- content of chemically bounded or complexed ions of heavy metals: none

Follow the regulations. Do not allow for environment infiltration. Properly used product poses no threat for environment. Do not allow for surface and underground water or ground contamination. Do not introduce into sewage system. Do not remove product to sewers or water races.

**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 type: Waste glues and sealants, other than mentioned in 08 04 09.
- Waste code: 08 04 09

**13.3. Package:**

- waste kind: Metal packages
- Waste code: 15 01 04

Empty and dried packages may be disposed to the waste dump or recycled.

**14. TRANSPORT INFORMATION****14.1. Road transport:**

Product is not dangerous in range of road transport regulation.

**15. REGULATORY REGULATION**

Product classification and marking are given according to decree of European Parliament and Council (EC) no. 1272/2008, and upon the basis of information from the producer.

**Product is not classified as dangerous, and the regulations for dangerous products marking are not used, but the implementing unit has decided to define the following conditions of safe application:**

**Package marking:**

**Product contains:**

**Product contains sabacate bis(1,2,2,6,6-pentamethyl-4-piperidine). May cause allergic reactions.**

**Warning marks:**

None

**Hazard phrases:**

None

**Phrases indicating conditions of safe usage:**

None

**The product sheet is available on demand for professional users.**

**In case of product retail sale for consumers, it is necessary to implement the following phrases of safe application:**

- S2 Keep out of the reach of children
- S7 Keep the container tightly closed
- S24/25 Avoid skin and eyes contamination
- S46 If swallowed, seek medical advice immediately and show this container or label

**Regulations in force:**

1. Decree of European Council no. 1907/2006 from 16.12.2006 regarding registering, evaluation, certification and authorizations in range of chemicals (REACH), creation of European Chemicals Agency, changing Directive 1999/45/EC and cancelling decree of Council no. 793/93 and decree of Commission no.1488/94, as well as directives 76/769/EC, 91/155/EC, 93/67/EC, 93/105/EC and 2000/21/EC (30.12.2006 PL Official Journal of European Union L 396/1)
2. Decree of European Parliament and Council (EC) no. 1272/2008 from 16.12.2008 regarding classification, marking and packaging of substances and mixtures, amending and cancelling the directives 67/548/EEC and 1999/45/EC, and amending the decree (EC) no. 1907/2006 (known as GHS decree) (31.12.2008 PL Official Journal of European Union L 353)
3. Act dated 11<sup>th</sup> January 2001 on chemical substances and preparations (Dz. U. No 11 item 84 dated 2001) with subsequent amendments, including: Act from 9.01.2009 regarding the amendment of act for chemical substances and preparations and some other acts (Journal of Laws no. 20 pos. 106)
4. 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)
5. Act dated 11<sup>th</sup> May 2001 on package and package waste (Dz. U. No. 63, item 638)
6. 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)
7. 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
8. Regulation of Minister of Health of 2<sup>nd</sup> September 2003 on marking of dangerous substance and preparation packages (Dz. U. No 173 item 1679 dated 2003) with subsequent amendments of 9<sup>th</sup> November 2004. (Journal of Laws No. 260 from 2004) with giving consideration to Directive 2006/8/EC from 23.01.2006
9. 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 amendments from 4.09.2007 (Journal of laws 2007 no. 174 pos. 1222) and from 5.03.2009 (Journal of Laws No. 2009 pos. 353)
10. 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) with amendments (Journal of Laws 2005 no. 212 pos. 1769 and Journal of Laws 2007 no. 161 pos. 1142)
11. Government declaration from 16.01.09 regarding coming into force changes to appendices A and B of European agreement, regarding international road transport of dangerous products (ADR), made out in Geneva in 30.09.1957 (Journal of Laws No. 2009 pos. 162)
12. Regulation of the Minister of Environment dated 27<sup>th</sup> September 2001 on waste catalogue (Dz. U. 2001 No 112 item 1206)
13. Announcement of Minister of Economy, Labour and Social Policy from 28.08.2003 regarding the uniform text of decree of Minister of Labour and Social Policy regarding the general industrial safety regulations (Journal of Laws no. 169 pos. 1650).
14. Decree of Government from 10.09.1996 regarding list of works forbidden for women (Journal of Laws No. 196 pos. 545) with later amendment (Journal of Laws no. 127 pos. 1092)
15. 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) with amendment (Journal of Laws 2007 no. 241 pos. 1772)
16. Regulation of the Minister of Health and Social Welfare dated 30<sup>th</sup> 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 dated 1996) with subsequent amendments (Journal of laws 2001 no. 37 pos. 451 and Journal of Laws no. 128 pos. 1405)
17. 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))
18. 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.. (Journal of laws 2005 no. 39 pos. 372, Journal of Laws 2006 pos. 887 and Journal of Laws 200 no. 190 pos. 1163)
19. 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. 3:**

- Xn Harmful product
- R10 Flammable product

R20 Harmful for air passages

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.

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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.

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