



Section 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product ID:

Trade name: **Primer for plastics APP Kunststoff Ref Primer Spray**

Trade code: **020906**

1.2. Relevant identified use of the substance and uses advised against:

Primer for plastics.

1.3. Details of the supplier of the safety data sheet:

APP Sp. z o.o.

ul. Przemysłowa 10, 62-300 Września

Tel. +48 (61) 437 00 00

Fax. +48 (61) 437 91 37

E-mail: app@app.com.pl

Website: www.app.com.pl

Current safety data and technical information available on the website.

Person responsible for the product: **Product management department, dzp@app.com.pl**

1.4. Emergency phone number:

+48 (61) 437 00 00 (from 8:00 a.m. to 4:00 p.m.)

Date drafted: 18.01.2016

Date updated: 06.07.2021

Section 2. IDENTIFICATION OF HAZARDS

2.1. Mixture classification:

Classification with Table 3 of Annex VI to Regulation (EC) No. 1272/2008 of the European Parliament and of the Council (GHS Regulation) and based on data provided by the manufacturer:



GHS02



GHS07



GHS08



GHS09

FlamAerosol1: H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

SkinIrrit2: H315 Causes skin irritation.

EyeIrrit2: H319 Causes serious eye irritation

STOT SE3: H336 May cause drowsiness or dizziness

STOT RE2: H373 May cause damage to hearing organs through prolonged or repeated exposure.

AquaticChronc2: H411 Toxic to aquatic life with long lasting effects.

2.2. Marking elements:

Contains:

C6-C7 hydrocarbons, n-alkanes, isoalkanes, cycloalkanes <5% n-hexane

Solvent naphtha (petroleum), hydrotreated light naphthenic

Reaction mass of xylene and ethylbenzene

Signal word:

Danger

GHS pictograms:



GHS02



GHS07



GHS08



GHS09

Hazard statements:

- H222 Extremely flammable aerosol.
- H229 Pressurised container: May burst if heated.
- H373 May cause damage to hearing organs through prolonged or repeated exposure.
- H319 Causes serious eye irritation.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- P260 Do not breathe spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P273 Avoid release to the environment.
- P271 Use only outdoors or in a well-ventilated area.
- P302 + P352 IF ON SKIN: Wash with plenty of water and soap.
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P403 Store in a well-ventilated place.
- P501 Dispose of the container and its contents according to local, regional, national or international regulations

2.3. Other hazards:

- UN: 1950
- VOC (2004/42/EC, 2c: 780) 714.1 g/L
- No information on compliance with PBT or vPvB criteria according to Annex XIII of Regulation 1907/2006 (REACH).
- Tests have not been carried out.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances:

N/A.

3.2. Mixtures:

Classification of the substances included in the product according to Table 3 of Annex VI to Regulation (EC) No. 1272/2008 of the European Parliament and of the Council (GHS Regulation) and based on data provided by the manufacturer.

Name of the hazardous substance	Concentration range	CAS no.	Index no.	EC no.	Hazard symbols
Dimethyl ether	25-<50%	115-10-6	603-019-00-8	204-065-8	GHS02; GHS04 Danger Flam. Gas 1: H220 Flam. Liq. 1: H224 Press. Gas: H280

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C6-C7 hydrocarbons, n-alkanes, isoalkanes, cycloalkanes <5% n-hexane Reg. no. REACH: 01-2119475514-35	25-50%	none	none	921-024-6	GHS02; GHS07; GHS08; GHS09 Danger FlamLiq2: H225 Asp.Tox1: H304 SkinIrrit2: H315 STOT SE3: H336 AquaticChronic2: H411
Solvent naphtha (petroleum), hydrotreated light naphthenic Reg. no. REACH: 01-2119486291-36	10-<25%	none	none	926-605-8	GHS02; GHS07; GHS08; GHS09 Danger FlamLiq2: H225 Asp.Tox1: H304 STOT SE3: H336 AquaticChronic2: H411
Reaction mass of xylene and ethylbenzene Reg. no. REACH: 01-2119488216-32 01-2119486136-34	10-<25%	none	none	926-605-8	GHS02; GHS07; GHS08; GHS09 Danger FlamLiq2: H225 Asp.Tox1: H304 AcuteTox4: H312+H332 SkinIrrit2: H315 EyeIrrit2: H319 STOT SE3: H335 STOT RE2: H373
Ethylbenzene Reg. no. REACH: 01-2119489370-35	<1%	100-41-4	601-023-00-4	202-849-4	GHS02; GHS07; GHS08 Danger Flam. Liq.2: H225 AspTox1: H304 STOT RE2: H373 Acute Tox.4: H332 SkinIrrit2: H315 EyeIrrit2: H319 STOT SE3: H335
Chlorobenzene	<0.25%	108-90-7	602-033-00-1	203-628-5	FlamLiq.3: H226 AcuteTox.4: H332 AquaticChronic 2: H411

For the wording of the statements used, see p. 16.

Section 4. FIRST-AID MEASURES**4.1. Description of first-aid measures:**

4.1.1 First aid guidelines by relevant routes of exposure:

Show the Safety Data Sheet to the attending physician. In case of exposure to vapours and aerosols of the product, move the affected person to a well-ventilated room – seek medical assistance

- a) respiratory tract: immediately move the affected person to a well-ventilated room; place the affected person in a semi-recumbent position, loosen clothing, make sure there are no objects or secretions in the affected person's mouth obstructing breathing; if the affected person is not breathing, administer artificial respiration; seek immediate medical attention.



- b) skin: remove contaminated clothing; wash contaminated skin with plenty of soap and water; do not use solvents or thinners to wash skin; apply lubricating cream to clean skin; consult a doctor in case of skin irritation.
c) eyes: rinse contaminated eyes, with eyelids open, with a continuous flow of running water for 10 ÷ 15 minutes; avoid powerful jets of water that may cause corneal damage; consult a doctor if burning or irritation persists; do not use eye wash or ointment of any kind before consulting a doctor; if the injured person wears contact lenses, remove them if possible; seek medical attention if eye irritation occurs.
d) gastro-intestinal tract: rinse mouth with plenty of running water; do not induce vomiting; consult a doctor immediately – show the Safety Data Sheet or label to the doctor.

4.1.2. Other:

None.

4.2. Major acute and delayed symptoms and effects of exposure:

Acute symptoms:

May cause drowsiness or dizziness.

Delayed symptoms:

May cause damage to hearing organs through prolonged or repeated exposure.

4.3. Indication of any immediate medical attention and special treatment needed:

If a significant dose of the product is ingested, a doctor should be consulted.

Section 5. FIRE-FIGHTING MEASURES

5.1. Fire extinguishing media:

a) Recommended extinguishing media: Diffused water jets, powder extinguishers, alcohol-resistant foam.

b) Not recommended extinguishing media: Avoid strong water currents that can spread the fire.

5.2. Special hazards associated with the substance:

Product vapours form flammable and explosive mixtures in air. Vapours can rise to the ignition source and return in the form of a flame. Heat, sparks or contact with fire can cause ignition. Releases toxic gases under fire conditions. Keep away from sources of ignition – do not smoke when spraying. Keep out of reach of children. Explosive mixtures are likely to form without sufficient ventilation

5.3. Information for the fire brigade:

Wear self-contained breathing apparatus and appropriate protective clothing.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal safety precautions, protective equipment and emergency procedures:

6.1.1. For non-emergency personnel:

- use protective clothing, protective gloves, safety goggles and a gas mask when removing the material

6.1.2. For those providing assistance:

- when disposing of the product, avoid the formation and inhalation of vapours and aerosols of the product

- use well-fitting and snug-fitting safety goggles, protective gloves and protective clothing

6.2. Environmental precautions:

- in the event of a large quantity released into water or soil, notify the relevant authorities of the accident

6.3. Methods and material for containment and cleaning up:

6.3.1. Recommendations for preventing the spread of the spill:

- store and transport in airtight packaging

- remove the product immediately

- do not allow the product to enter a water or drainage system

- rinse the area after disposal and any equipment in contact with the product with water

6.3.2. Recommendations for the elimination of the spill:

- absorb with non-flammable absorbent material (e.g. diatomaceous earth)

- collect the absorbent in a well-marked, sealable container

- eliminate all possible sources of fire, do not smoke

6.3.3. Other information:

None

6.4. References to other sections:

See information in sections 8 and 13.

Section 7. PRODUCT HANDLING AND STORAGE

7.1. Safety precautions:

7.1.1. General recommendations:

- avoid electrical and electrostatic discharges

- do not allow concentrations of product vapours in the air where mixtures with air may be explosive, or concentrations exceeding hygienic standards

- ensure easy access to fire extinguishing media and equipment necessary for cleaning up a spill



- follow the general safety and hygiene rules for working with chemical substances; strictly observe the procedures developed for handling the product; when working with the product, apply the general safety and hygiene rules contained in the Regulation of the Minister of Labour and Social Policy of 30 December 2004. (Journal of Laws No. 11 of 2005, item 86); follow the instructions provided by the manufacturer.

- do not allow contamination of eyes, skin or clothing

- avoid prolonged and repeated exposure

7.1.2. Occupational hygiene tips:

- do not eat or drink during use

- do not smoke while handling the product

- avoid creating and inhaling product vapours

- when handling the product, wear appropriate (protective) clothing, protective gloves (rubber or PVC)

- an eyewash station must be available at the workstation

- observe rules of personal hygiene

- do not eat, drink or smoke while handling the product, except in the designated areas; wash hands before breaks and after work, use hand cream if necessary

- work in ventilated areas

7.2. Conditions for safe storage, including any incompatibilities

- store the product in a cool, dry and well-ventilated area

- do not store near food/feed products

- packaging should be leak-proof and properly labelled

- for safety reasons, the product is best stored in its original packaging

- protect packaging from mechanical damage

7.3. Specific end uses:

None.

Section 8. EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

8.1. Control parameters:

8.1.1. Occupational exposure limits:

According to the Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the Maximum Admissible Concentrations and Intensities of Harmful to Health Agents in the Working Environment (Journal of Laws of 2018, item 1286)

Dimethyl ether: TLV: 1000 mg/m³ STEL: not established

Xylenes: TLV: 100 mg/m³ STEL: 200 mg/m³

Ethylbenzene: TLV: 200 mg/m³ STEL: 400 mg/m³

8.1.2. Recommended monitoring procedures:

- PN-89/Z-01001/06. Air purity protection. Names, terms and units. Terminology for testing air quality at workplaces.

- PN-89/Z-04008/07. Air purity protection. Sampling. Principles of air sampling in the working environment and interpretation of results.

- PN-89/Z-04023 sheet 02 Air purity protection. Tests for the content (in mixtures) of harmful substances evolving from nitrocellulose paint products. Determination of acetone, alcohols: ethyl, n-butyl, isobutyl, ethoxyethyl, butoxyethyl; acetates: ethyl, n-butyl, ethoxyethyl, toluene and xylene at workplaces by gas chromatography.

- PN-78/Z-04116/01 Air purity protection. Tests for xylene. Determination of xylene at workplaces by gas chromatography with sample enhancement.

- PN-79/Z-04081/01. Air purity protection. Tests for ethylbenzene. Determination of ethylbenzene at workplaces by gas chromatography with sample enhancement.

8.1.3. Biological limit value (BLV):

Xylene:

- substance labelled: methylhippuric acid

- biological limit value (BLV): 1.4 g/L in urine

Ethylbenzene:

- substance labelled: mandelic acid

- acceptable BLV value: 20 mg/h

- biological material: urine

Notes: when calculating the excretion rate in urine, an additional sample is taken approximately 2 hours before the actual urine sample is taken, to empty the bladder, which is not analysed. The time elapsed between the collection of both urine samples shall be recorded

8.1.4. DNEL and PNEC values:

No DNEL or PNEC values have been established for the substance.



8.2. Exposure control:

8.2.1. Appropriate technical controls:

Carry out medical examinations of workers, as well as tests and measurements of harmful factors according to current legislation.

8.2.2. Personal protective measures:

- a) Eye or face protection: safety goggles with side shields
- b) Skin protection: protective gloves (nitrile rubber, ≥ 0.5 mm)
- c) Respiratory protection: effective ventilation

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

- Appearance: aerosol, colour as shown on the label
- Odour: characteristic
- Odour threshold: not determined
- pH: N/A
- Melting/freezing point: -24°C
- Boiling point: not determined
- Flash point: -42°C
- Autoignition temperature: not determined
- Decomposition temperature: not determined
- Burning temperature: $>200^{\circ}\text{C}$
- Evaporation rate: not determined
- Flammability: Extremely flammable mixture
- Explosive limits:

Lower:	0.8%	(vol.)
Upper:	18.6%	(vol.)
- Vapour pressure: 500 hPa
- Vapour density: not determined
- Density: 0.727 g/cm^3 (20°C)
- Solubility: poorly miscible with water
- Octanol-water partition coefficient: not determined
- Dynamic viscosity: not determined
- Kinetic viscosity: not determined
- Explosive properties: the product is not explosive, but formation of flammable and explosive mixtures with air is possible.
- Oxidising properties: has no oxidising properties

9.2. Other information:

- VOC: 714.1 g/L

Section 10. STABILITY AND REACTIVITY

10.1. Reactivity:

The product is not reactive.

10.2. Chemical stability:

The product is chemically stable.

10.3. Potential for hazardous reactions:

None known.

10.4. Conditions to avoid:

High temperature. Sources of ignition, sources of heat, sources of sparks.

10.5. Incompatible materials:

- strong oxidisers
- concentrated acids

10.6. Hazardous decomposition products:

- carbon oxides
- toxic gases and fumes



Section 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Health risks:

May cause damage to hearing organs through prolonged or repeated exposure.

Causes serious eye irritation.

Causes skin irritation.

May cause drowsiness or dizziness.

a) Acute toxicity

No data available

The mixture is not classified as hazardous in this class.

b) Skin corrosion/irritation

Causes skin irritation.

c) Serious eye damage/irritation

Causes serious eye irritation

d) Respiratory or skin sensitisation

No data available.

The mixture is not classified as hazardous in this class.

e) Mutagenicity

No data available.

The mixture is not classified as hazardous in this class.

f) Carcinogenicity

No data available.

The mixture is not classified as hazardous in this class.

g) Reproductive toxicity

No data available.

The mixture is not classified as hazardous in this class.

h) Acute and repeated dose toxicity

May cause damage to hearing organs through prolonged or repeated exposure.

May cause drowsiness or dizziness.

i) Aspiration hazard:

No data available.

The mixture is not classified as hazardous in this class.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

- no data available

11.2.2. Other information

- no data available

Section 12. ENVIRONMENTAL INFORMATION

12.1. Toxicity:

Toxic to aquatic life with long lasting effects.

Ecotoxicological effects:

Diethyl ether:

- Toxicity to fish LC50: 4100 mg/L/96 h

- Toxicity to invertebrates EC50: 4400 mg/L/48 h

Xylene:

- Toxicity to fish LC50: 14 mg/L/96 h

- Toxicity to invertebrates EC50: 16 mg/L/48 h

Ethylbenzene:

- Toxicity to fish LC50: 12 mg/L/96 h

- Toxicity to invertebrates EC50: 1.8 mg/L/48 h

- Toxicity to algae EC50: 33 mg/L/72 h

12.2. Persistence and degradability:

The product's ingredients are biodegradable.

12.3. Bioaccumulative potential:

No data available.

12.4. Mobility:

No data available.

12.5. Results of PBT and vPvB assessment:

None.



12.6. Endocrine disrupting properties

None.

12.7. Other adverse effects:

None.

Section 13. WASTE MANAGEMENT

13.1. Waste disposal methods:

13.1.1. Product:

- type of waste: Waste paint and varnish containing organic solvents or other dangerous substances

- waste code: 08 01 11*

- hazardous waste

- if possible, recover and return to production. Do not dispose of with municipal waste. Do not dispose of in the sewage system. Do not allow contamination of surface water, groundwater or soil. Dispose of according to current chemical waste regulations. Dispose of, only at designated sites, in installations or facilities meeting the statutory requirements.

13.1.2 Packaging:

- type of waste: Empty pressure containers

- waste code: 15 01 11

Section 14. TRANSPORT INFORMATION

LAND TRANSPORT:

14.1. UN number: 1950

14.2. UN proper shipping name: AEROSOLS, FLAMMABLE

14.3. Transport hazard class: 2

14.4. Packaging group: -

14.5. Environmental hazards: none

14.6. Special precautions for users: None

14.7. Bulk maritime transport according to IMO instruments: N/A

N/A

Other:

Identification code: 5F

Labels: 2.1

Section 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations specific to substances and mixtures:

1. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation 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 (EC) No. 1488/94, as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (30.12.2006 EN Official Journal of the European Union L 396/1), as amended (9.10.2008 EN Official Journal of the European Union L268/14; 17.02.2009 EN Official Journal of the European Union L46/3; 26.06.2009 EN Official Journal of the European Union L164/7; 1.04.2010 EN Official Journal of the European Union L86/7; 31.05.2010 EN Official Journal of the European Union L133/1; 18.2.; EN Official Journal of the European Union L44/2; 21.05.2011 EN Official Journal of the European Union L134/2), as amended.
2. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council 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 the GHS Regulation) (31.12.2008 EN Official Journal of the European Union L 353/1), as amended.
3. Regulation of the Minister of Health of 20 April 2012 on the labelling of packaging of hazardous substances and hazardous mixtures and certain mixtures (Journal of Laws of 2015, item 450 – consolidated text)
4. Regulation of the Minister of the Family, Labour and Social Policy of 12 June 2018 on the Maximum Admissible Concentrations and Intensities of Harmful to Health Agents in the Working Environment (Journal of Laws of 2018, item 1286)
5. Regulation of the Minister of Health of 2 February 2011 on tests and measurements of factors harmful to health in the working environment (Journal of Laws of 2011, No. 33, item 166)
6. Regulation of the Minister of Health of 11 June 2012 on categories of hazardous substances and hazardous mixtures, the packaging of which is equipped with child-resistant closures and a tactile warning of danger (Journal of Laws of 2014, item 1604 – consolidated text)
7. Commission Regulation (EU) No. 252/2011 of 15 March 2011 amending Annex I to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)



8. COMMISSION REGULATION (EU) No. 253/2011 of 15 March 2011 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards Annex XIII
9. REGULATION OF THE MINISTER OF HEALTH OF 24 July 2012 on chemical substances, their mixtures, agents or technological processes with a carcinogenic or mutagenic effect in the working environment (Journal of Laws of 2016, item 1117 – consolidated text)
10. REGULATION OF THE MINISTER OF ECONOMY OF 29 January 2013 on restrictions on the production, marketing or use of dangerous or hazardous substances and mixtures and the placing on the market or use of products containing such substances or mixtures (Journal of Laws of 2014, item 769 – consolidated text)
11. Regulation of the Minister of Development of 8 August 2016 on the limitation of emissions of volatile organic compounds contained in certain paints and varnishes intended for painting buildings and their finishes, furnishings and structures related to buildings and these elements, and in mixtures for vehicle refinishing (Journal of Laws of 2016, item 1353)
12. Regulation of the Minister of Economy of 10 March 2014 amending the regulation on specific requirements for aerosol products (Journal of Laws of 2014, item 345)
13. COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
14. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.2. Chemical safety assessment:

Not required.

Section 16. OTHER INFORMATION

Wording of the hazard statements listed in sections 2 and 3 of the sheet:

Flam. Liq.2	Flammable liquids (category 2)
Flam. Liq.3	Flammable liquids (category 3)
Flam. Gas.1	Flammable aerosols (category 1)
PressGas	Pressurised gases
AcuteTox.4	Acute toxicity (category 4)
Skin Irrit.2	Skin irritation (category 2)
Eye Irrit.2	Causes eye irritation (category 2)
STOT SE3	Single-exposure toxic effects on critical organs (category 3)
Repr.2	Reproductive toxicity (category 2)
H220	Extremely flammable gas
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H280	Contains gas under pressure; may explode if heated
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled.
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
EUH066	Repeated exposure may cause skin dryness or cracking
H373	May cause damage to organs
H361	Suspected of damaging fertility or the unborn child

Carry out medical examinations of workers, as well as tests and measurements of harmful factors according to current legislation.

The above information has been compiled based on the current state of knowledge and experience. However, they do not constitute a guarantee of product ownership or quality specifications and cannot be the basis for a claim. The product should be transported, stored and used according to the regulations in force and according to good practice and hygiene at work.



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The manufacturer shall not be liable for any loss resulting directly or indirectly from the application of the above interpretation of the regulations or instructions.

The information presented may not be applicable to mixtures of the product with other substances. The use of the information given, as well as the use of the product, are not controlled by the manufacturer and it is, therefore, the responsibility of the user to create appropriate conditions for the safe handling of the product.

The Safety Data Sheet was prepared by **CHEM-NET S.C. 90-552 Łódź, Kopernika 35/9** www.chem-net.info, on behalf of **APP Sp. z o.o.** The Sheet is drafted based on current national legislation. The development of the sheet was based on data from the manufacturer and the current state of knowledge and experience.