SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier
Trade name: **APP SEAL12**
Trade code: **040105**

1.2. Relevant identified uses of the substance/mixture and uses advised against
Lacquer converter.

1.3. Details of the supplier of the safety data sheet

Company: **APP 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

Safety Data Sheet e-mail: **Tomasz Golda, t.golda@app.com.pl**

1.4. Emergency telephone number:
+48 (61) 437 00 00

Date of issue: 2015-03-11

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS02

GHS07

GHS08

Danger
FlamLiq2: H225 Highly flammable liquid and vapour.
SkinIrrit2: H315 Causes skin irritation
EyeIrrit2: H319 Causes serious eye irritation
STOT SE3: H335 May cause respiratory irritation
H373 May cause damage to organs through prolonged or repeated exposure through prolonged or repeated exposure: inhalation.
AquaticChroic3: H412 Harmful to aquatic life with long lasting effects
Classification according to EU Directives 67/548/EEC or 1999/45/EC

F **Highly flammable**

Xn **Harmful**

R11 Highly flammable
R20/21 Harmful by inhalation and in contact with skin
R38 Irritating to skin
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

2.2. Label elements

Labelling according Regulation (EC) No 1272/2008

Contains:
Xylene
Ethylbenzene

Signal word:

Danger

Pictogram:

GHS02

GHS07

GHS08

Hazard statement(s)

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H373 May cause damage to organs through prolonged or repeated exposure through prolonged or repeated exposure: inhalation
H412 Harmful to aquatic life with long lasting effects

Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+ P361+ P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

P501 Dispose of contents/container according to local/regional/national/international regulations.

2.3 Other hazards

Does not fulfil criteria of PBT and vPvB according to annex XIII 1907/2006
UN: 3175

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
N.A.
3.2. Mixtures
Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

Name	Conc.	CAS No	Index No	EC No	Classification
Xylene REACH Reg. No 01-21194882216-32	20- <25%	1330-20-7	601-022-00-9	215-525-7	**R10** **Xn:R20/21** **Xi: R38** **GHS02; GHS07** **Wng** **FlamLiq3: H226** **AcuteTox4: H312** **AcuteTox4: H332** **SkinIrrit2: H315** **EyeIrrit2: H319** **STOT SE3:** **H335STOT RE2: H373** **AspTox1: H304**
Ethylbenzen REACH Reg. No 01-2119892111-44	1-<5%	100-41-4	601-023-00-4	202-849-4	**F: R11** **Xn: R20** **GHS02; GHS07 ;** **GHS08** **Dgr** **Flam. Liq.2: H225** **AspTox1: H304** **STOT RE2: H373** **Acute Tox.4: H332** **SkinIrrit2: H315** **EyeIrrit2: H319** **STOT SE3: H335**
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics REACH Reg. No 01-2119473851-33	1-<5%	-	-	920-750-0	**F: R11** **Xn: R65** **Xi: R38** **R67** **N: R51/53** **GHS02; GHS08;** **GHS07; GHS09** **Dgr** **Flam. Liq. 2: H225** **Asp. Tox. 1: H304** **SkinIrrit2: H315** **STOT SE 3: H336** **Aquatic Chronic 2:** **H411**

Trizinc bis(orthophosphate) REACH REg. No 01-2119485044-40	<1 %	7779-90-0	030-011-00-6	231-944-3	**N: R50/53** **GHS09 Wng AquaticChronic1: H410 AquaticAcute: H400**

Full text of R-Phrases and H-Phrases can be found under heading 16

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing. After contact with skin, wash immediately with soap and plenty of water. . In case of irritation, consult a doctor

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time. In case of irritation, consult an ophthalmologist. Remove Contact Lenses

In case of Ingestion:

Do not under any circumstances induce vomiting. Never give anything by mouth to an unconscious person. Consult a doctor immediately and show him label or Safety Data Sheet.

In case of Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of respiration problems , consult a doctor immediately and show him label or Safety Data Sheet.

4.2. Most important symptoms and effects, both acute and delayed

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

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

In case if ingestion consult a doctor.

Treatment:

None

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Extinguishing media which must not be used for safety reasons:

Water jet.

5.2. Special hazards arising from the substance or mixture

Highly flammable liquid. The vapour is heavier than air, spreads along the ground and distant ignition is possible. Toxic fumes may be evolved on burning or exposure to heat. Do not inhale explosion and combustion gases.

5.3. Advice for fire-fighters

Fires in confined spaces should be dealt with by trained personnel warning approved air supplied brething apparatus. Water may be used to cool nearby heat exposed areas/objects/packages. Avoid spraying directly into storage containers because of the danger of boil-over. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

6.3. Methods and material for containment and cleaning up

Contain and recover liquid using sand or other suitable inert absorbent material. It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated. Recovery of large spillages should be effected by specialist personnel. Protect drains from potential spills to minimise contamination. Do not wash product into drainage system. Large and uncontained spillages should be smothered in foam to reduce the risk of ignition. The foam blanket should be maintained until the area is declared safe. Vapour is heavier than air and may travel to remote sources of ignition (e.g. along drainage systems, in basements, etc.). In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies. In case of spillage at sea, approved dispersants may be used where authorized by the appropriate regulatory authority. In the event of spillages, contact the appropriate authorities.

6.4. Reference to other sections

See Section 8 for information on personal protection equipment.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid breathing vapours or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. Air-dry contaminated clothing in a well-ventilated area before laundering. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use local exhaust ventilation if there is risk of inhalation of vapours. Prevent spillages. For comprehensive advice on handling, product transfer, storage and tank cleaning refer to the product supplier. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

7.2. Conditions for safe storage, including any incompatibilities

Store and dispense only in well ventilated areas away from heat and sources of ignition. Store and use only in equipment/containers designed for use with the product. Containers must be properly labelled and kept closed when not in use. Do not remove warning labels from containers. Do not re-use container for any other product. Empty packages may retain residual product; retain hazard warning labels on empty packages as a guide to their safe handling, storage and disposal. Do not introduce an ignition source. Heating may cause an explosion. Storage on solid, hydrocarbons-proof floor.

7.3. Specific end use(s)

None.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

N.A.

8.2. Exposure controls

Do not eat, drink or smoke while working. Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin.

Eye protection:

Wear face visor or goggles in circumstances where eye contact can accidentally occur.

Protection for skin/hands:

Nitrile gloves (EN 420 or EN374)

Respiratory protection:

Respiratory protection in case of high concentration of mixture.

Thermal Hazards:

None

Environmental exposure controls:

None

9.1. Information on basic physical and chemical properties

Appearance and colour: paste, grey
Odour: characteristic
Odour threshold: N.D.
pH: N.A.
Melting point / freezing point: N.D.
Initial boiling point and boiling range: 100ºC
Upper/lower flammability or explosive limits: 1,0-7,0% (v/v)
Vapour density: N.D.
Flash point: 18ºC
Evaporation rate: N.A.

Vapour pressure: 6 hPa
Density: 1330 kg/m^3 (15ºC)
Solubility in water: insoluble
Solubility in organic solvents: soluble in aromatic solvents
Lipid solubility: N.A.
Partition coefficient (n-octanol/water): N.A.
Ignition temperature: N.D.
Auto-ignition temperature: 500°C
Decomposition temperature: N.A.
Viscosity: 10000 mPas (20°C)
Explosive properties: can form an explisive mixture in air
Oxidizing properties: not oxidizing

9.2. Other information

VOC: 407.29 g/l

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Mixture is not reactive.

10.2. Chemical stability

Stable under normal conditions of handling and storage.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

- solar radiation
- sparks
- flame
- heat

10.5. Incompatible materials

- strong acids
- strong bases

10.6. Hazardous decomposition products

None.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
May cause damage to organs through prolonged or repeated exposure through prolonged or repeated exposure

Xylene

LD50 (rat, ingestion):	8700mg/kg
LD50 (rabbit, skin):	>1700 mg/kg
LC50 (rat inhalation):	21,7 mg/l/4h
ATE (inhalation, aerosol)	1,5 mg/l

Ethylbennene

LD50 (rat, ingestion):	3500mg/kg
LD50 (rabbit, skin):	15400 mg/kg
LC50 (rat, inhalation):	17,2 mg/l/4h
ATE (inhalation, aerosol):	1,5 mg/l

Trizinc bis(orthophosphate)

LD50 (rat, ingestion):	>5000mg/kg
LC50 (rat, inhalation):	>5,7 mg/l/4h

a) acute toxicity: no hazard
b) skin corrosion/irritation: causes irritation
c) serious eye damage/irritation: causes serious eye irritation
d) respiratory or skin sensitization: no hazard
e) germ cell mutagenicity: no hazard
f) carcinogenicity: no hazard
g) reproductive toxicity: no hazard
h) STOT-single exposure: may cause respiratory irritation
i) STOT-repeated exposure: may cause damage to organs through prolonged or repeated exposure through prolonged or repeated exposure: inhalation
j) aspiration hazard: no harmful

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity
Harmful to aquatic life with long lasting effects
Trizinc bis(orthophosphate)
- toxicity to fish LC50: 0,09 mg/l/96h
12.2. Persistence and degradability
Xylene
- Log Pow: 2,77-3,15
- BCF: 25,9
Ethylbenzene:
- Log Pow: 3,15
12.3. Bioaccumulative potential
No data.
12.4. Mobility in soil
No data
12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
12.6. Other adverse effects
None

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations or if approved allowed to degrade in situ. Dispose of product and container carefully and responsibly. Do not dispose of near ponds, ditches, down drains or onto soil. Empty packages may contain some remaining product. Hazard warning labels are a guide to the safe handling of empty packages and should not be removed.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number
3175
14.2. UN proper shipping name
Solids containing flammable liquid, n.o.s.
14.3. Transport hazard class(es)
4.1
14.4. Packing Group
II
14.5. Environmental hazards
No
14.6. Special Precautions for User
During handling wear personal protection equipment (see Section 8)
Avoid heat and flame.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
N.A.

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.
Where applicable, refer to the following regulatory provisions :
Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.
Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)
15.2. Chemical Safety Assessment
No

SECTION 16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed
H312 Harmful in contact with skin
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H332 Harmful if inhaled
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H373 May cause damage to organs through prolonged or repeated exposure through prolonged or repeated exposure
H410 Very toxic to aquatic life with long lasting effects
H411 Toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects
H413 May cause long lasting harmful effects to aquatic life
H420 Harms public health and the environment by destroying ozone in the upperatmosphere
R10 Flammable
R11 Highly flammable
R20 Harmful by inhalation
R21 Harmful in contact with skin
R22 Harmful if swallowed
R36 Irritating to eyes
R37 Irritating to respiratory system
R38 Irritating to skin
R41 Risk of serious damage to eyes
R43 May cause sensitisation by skin contact
R66 Repeated exposure may cause skin dryness or cracking
R67 Vapours may cause drowsiness and dizziness
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.