

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**1.1. Product Identifier**

Trade name: : APP Alu

Trade code: 010223, 010225

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

Putty with aluminum dust

Uses advised against: other

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: dzp@app.com.pl**1.4. Emergency telephone number:**

+48 (61) 437 00 00

Date of issue: 2023-12-22

SECTION 2. HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008



GHS02



GHS07



GHS08

Danger

FlamLiq3: H226 Flammable liquid and vapour.

SkinIrrit2: H315 Causes skin irritation.

SkinSens1: H317 May cause an allergic skin reaction

EyeIrrit2: H319 Causes serious eye irritation

STOT SE3: H335 May cause respiratory irritation

Repr2: H361d Suspected of damaging the unborn child.

STOT RE2: H372 Causes damage to organs (hearing organ) through prolonged or repeated exposure (inhalation)

2.2. Label elements**Labelling according Regulation (EC) No 1272/2008**

Contains:

Styrene

Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]ethanol

Maleic anhydride

Fatty acids, C14-18 and C16-18-unsaturated

Signal word:

Danger

Pictogram:



GHS02



GHS07



GHS08

Hazard statement(s)

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H361d Suspected of damaging the unborn child.
H372 Causes damage to organs (hearing organ) through prolonged or repeated exposure (inhalation)

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.
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.
P314 Get medical advice/attention if you feel unwell.
P403 Store in a well-ventilated place.
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:3269

VOC/LZO (2004/42/EC, IIb: 250) <25 g/l

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS


3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of CLP regulation and related classification:

Name	Conc.	CAS No	Index No	EC No	Classification:
<p align="center">Styrene REACH 01-2119457861-32</p>	10<15 %	100-42-5	601-026-00-0	202-851-5	<p>GHS02; GHS07; GHS08 Wng Flam.Liq.3: H226 STOT RE1: H372 Repr2: H361d AcuteTox4: H332 SkinIrrit2: H315 EyeIrrit2: H319 AspTox1: H304 STOT SE3: H335 AquaticChronic3: H412</p>
<p align="center">Maleic anhydride REACH: 01-2119472428-31</p>	<0,1%	108-31-6	607-096-00-9	203-571-6	<p>GHS02; GHS07 FlamLiq3: H226 AcuteTox4:H302 SkinCorr1B: H314 EyeDam1: H318 RespSens1: H334 SkinSens1: H317 STOT RE1: H372 EUH071 Specific concentration</p>

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					limit 0,001<SkinSens1: H317
Reaction mass of 2,2'-[4-methylphenyl]imino]bisethanol and 2-[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]ethanol	<1%	-	-	911-490-9	GHS05; GHS07 AcuteTox4: H302 SkinIrrit2: H315 SkinSens1: H317 EyeDam1: H318 AquaticChronic3: H412
Fatty acids, C14-18 and C16-18-unsaturated REACH: 01-2119489340-35	<1%	85711-46-2	-	288-306-2	GHS07 SkinIrrit2: H315 SkinSens1: H317 EyeIrrit2: H319

Full text of 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 an allergic skin reaction

May cause respiratory irritation

Suspected of damaging the unborn child.

Causes damage to organs (hearing organ) through prolonged or repeated exposure (inhalation)

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

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 wearing approved air supplied breathing 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. Store at temperature 5-32°C. 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.

Respiratory protection:

Respiratory protection.

Thermal Hazards:

None

Environmental exposure controls:

None

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties



Appearance and colour: liquid, color as indicated on the label

Odour: characteristic

Odour threshold: N.D.

pH: N.A.

Melting point / freezing point: N.D.

Initial boiling point and boiling range: 145°C

Upper/lower flammability or explosive limits: 1,2-8,9%

Vapour density: N.D.

Flash point: 31°C

Evaporation rate: N.A.

Vapour pressure: 6,67 kPa

Density: 1782 kg/m³ (15°C)

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: 238°C

Decomposition temperature: N.A.

Viscosity dyn.: >20,5 mm²/s (40°C)

Viscosity kin.: N.D.

Explosive properties: can form an explosive mixture in air

Oxidizing properties: not oxidizing

9.2. Other information

VOC < 25 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
- oxides and reductors

10.6. Hazardous decomposition products

None.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

a) acute toxicity: no hazard

Styrene

LD50 (rat, ingestion) 2650 mg/kg

LC50 (rat, inhalation): 11,8 mg/m³/4 h

LD50 (rabbit, skin): 2000 mg/kg

b) skin corrosion/irritation: skin irritation.

c) serious eye damage/irritation: Causes serious eye irritation

d) respiratory or skin sensitization: May cause an allergic skin reaction

e) germ cell mutagenicity: no hazard

f) carcinogenicity: no hazard

g) reproductive toxicity: Suspected of damaging the unborn child.

h) STOT-single exposure: May cause respiratory irritation

i) STOT-repeated exposure: Causes damage to organs (hearing organ) through prolonged or repeated exposure (inhalation)

j) aspiration hazard: NO hazard

11.2.1. Endocrine disrupting properties

- no data

11.2.2. Other information



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- no data

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Mixture is not classified as hazardous.

12.2. Persistence and degradability

No data.

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. Endocrine disrupting properties

None

12.7. 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

3269

14.2. UN proper shipping name

Polyester resin kit.

14.3. Transport hazard class(es)

3

14.4. Packing Group

III

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.

Label: 3

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



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- H304 May be fatal if swallowed and enters airways
- H312 Harmful in contact with skin
- H314 Causes severe skin burns and eye damage
- 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
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H361d Suspected of damaging the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure through prolonged or repeated exposure - hear apparatus.
- H400 Very toxic to aquatic life
- H412 Harmful to aquatic life with long lasting effects

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.