

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

Trade name: APP -EP3 2x 15 ml

Trade code: 040515

1.2. Relevant identified uses of the substance/mixture and uses advised against
Universal two-component glue.**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: 2015-09-29

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

Classification according to Regulation (EC) No 1272/2008



GHS05



GHS07



GHS09

Dgr

H302 Harmful if swallowed

H332 Harmful if inhaled

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H335 May cause respiratory irritation

H411 Toxic to aquatic life with long lasting effects

EUH205 Contains epoxy constituents. May produce an allergic reaction.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

**C Corrosive****N Dangerous for the environment.**

R20 Harmful by inhalation

R21 Harmful in contact with skin

R38 Irritating to skin

R41 Risk of serious damage to eyes

R43 May cause sensitisation by skin contact

R51/53 Toxic 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:

N,N-Dimethyldipropylenetriamine

Signal word:

Danger

Pictogram:


GHS05



GHS07



GHS09

Hazard statement(s)

H302 Harmful if swallowed

H332 Harmful if inhaled

H315 Causes skin irritation

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H318 Causes serious eye damage

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H411 Toxic to aquatic life with long lasting effects

EUH205 Contains epoxy constituents. May produce an allergic reaction.

Precautionary statement(s)

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.

P273 Avoid release to the environment.

P405 Store locked up.

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

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:
Resin

Name	Conc.	CAS No	Index No	EC No	Classification:
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	$\leq 92\%$	25068-38-6	603-074-00-8	500-033-5	Xi: R36/38 R43 N: R51/53 GHS07; GHS09 Wng Eye Irrit.2: H319 Skin Irrit.2: H315 Skin Sens.1: H317 Aquatic Chronic: H411
Bisphenol F-epichlorohydrin resin,	9%	8002-36		500	C: R34 Xn: R21 Xi: R43

	SATEFY DATA SHEET				
	Date of issue: 2015-09-29		APP -EP3 2x 15 ml		Page 3 z 7
mw ≤ 700		5		006-8	R52/53 GHS05; GHS07; Dgr SkinCorr1B: H314 AcuteTox4: H312 Skin Sens. 1: H317 Aquatic Chronic 3: H412

Hardener

Name	Conc.	CAS No	Index No	EC No	Classification:
3,6-Dioxa-1,8-octanedithiol	50-70%	14970-87-7	-	239-044-2	Xn: R20/22 N: R51/53
					GHS07; GHS09 Wng AcuteTox4: H302 AcuteTox4: H332 Aquatic Chronic: H411
N,N-Dimethyldipropylenetriamine	10-24%	10563-29-8	-	234-148-4	Xn: R21/22 C: R34 Xi: R43
					GHS05; GHS07 Dgr AcuteTox4: H312 AcuteTox4: H332 SkinCorr1B: H314 SkinSens1: H317
Terphenyl (mixture of isomers)	5-10%	26140-60-3	-	247-477-3	Xn: R20 Xi: R36/37/38 N: R50
					GHS07; GHS09; Wng AcuteTox4: H302 SkinIrrit2: H315 EyeIrrit2: H319 STOT SE3: H335 Aquatic Acute1: 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:

Harmful if swallowed. Harmful if inhaled. May cause an allergic skin reaction. Causes serious eye damage

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:

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. 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****bisphenol-A-(epichlorhydrin)**

DNEL workers, skin, acute: 8,3 mg/kg m. c /d
DNEL workers, acute, inhalation: 12,3 mg/m³
DNEL workers, acute, long time, skin: 8,3 mg/ kg m. c/d
DNEL workers, long time inhalation: 12,3 mg/m³
DNEL all population, acute, skin: 3,6 mg/kg m. c /d
DNEL all population, acute, inhalation 0,75 mg/m³
DNEL all population, acute, ingestion: 0,75 mg/kg m. c /d
DNEL all population, long time skin: 3,6 mg/kg m. c /d
DNEL all population, long time inhalation: 0,75 mg/m³
DNEL all population long time ingestion: 0,75 mg/kg m. c /d
PNEC sewage plant : 10,0 mg/l
PNEC fresh water: 3 ug/l
PNEC sea water: 0,3 ug/l
PNEC sludge: 0,05 mg/kg
PNEC sludge fresh water: 0,5 mg/kg
PNEC sludge sea water: 0,5 mg/kg

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:

If skin contact is likely, wear impervious protective clothing and/or gloves (neoprene). Protective clothing should be regularly inspected and maintained. Change heavily contaminated clothing as soon as reasonably practicable and launder before re-use. Wash any contaminated underlying skin with soap and water.

Respiratory protection:

Respiratory protection is normally unnecessary, provided the concentration of vapour is adequately controlled. If operations are such that the excessive generation and inhalation of vapour may be anticipated, then suitable approved organic vapour and particulate respiratory equipment should be worn

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, straw
Odour: characteristic
Odour threshold: N.D.
pH: 10.5-11.5
Melting point / freezing point: N.D.
Initial boiling point and boiling range: 100°C
Upper/lower flammability or explosive limits: N.D.
Vapour density: N.D.
Flash point: >90°C
Evaporation rate: N.A.
Vapour pressure: <25 hPa
Density: 1010 kg/m³ (15°C)
Solubility in water: soluble
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: N.A.
Decomposition temperature: N.A.
Viscosity dyn.: N.D.
Viscosity kin.: N.D.
Explosive properties: can form an explosive mixture in air
Oxidizing properties: not oxidizing

9.2. Other information

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

With strong acids - discharge heat.

10.4. Conditions to avoid

- solar radiation
- sparks
- flame
- heat

10.5. Incompatible materials

- strong oxidisers
- strong acids

10.6. Hazardous decomposition products

None.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Harmful if swallowed

Harmful if inhaled

Causes skin irritation

May cause an allergic skin reaction

Causes serious eye damage

May cause respiratory irritation

Contains epoxy constituents. May produce an allergic reaction.

a) acute toxicity: Harmful if swallowed and if inhaled

b) skin corrosion/irritation: Causes skin irritation

c) serious eye damage/irritation: Causes eye damage

d) respiratory or skin sensitization: May cause an allergic skin reaction. Contains epoxy constituents.

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: no hazard

j) aspiration hazard: no hazard

bisphenol-A-(epichlorhydrin)

LD50 (rat, ingestion): >2000 mg/kg

LD50 (rat, skin): >2000 mg/kg

LD50 (rabbit, skin): >3450 mg/kg

bisphenol-F-(epichlorhydrin)

LD50 (rat, ingestion): >2000 mg/kg

LD50 (rabbit, skin): >3450 mg/kg

SECTION 12. ECOLOGICAL INFORMATION**12.1. Toxicity**

Toxic to aquatic life with long lasting effects

12.2. Persistence and degradability

Expected to be biodegradable.

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**

3082

14.2. UN proper shipping name

Environmentally hazardous substance, liquid, n.o.s.

14.3. Transport hazard class(es)

9

14.4. Packing Group

III

14.5. Environmental hazards

YES

14.6. Special Precautions for User

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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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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:

R20	Harmful by inhalation
R21	Harmful in contact with skin
R22	Harmful if swallowed
R36	Irritating to eyes
R38	Irritating to skin
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environmentH302 Harmful if swallowed
H332	Harmful if inhaled
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects
EUH205	Contains epoxy constituents.May produce an allergic reaction.

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.