

Printing date:  
30.03.2017

Revision: 16.04.2015

**Trade name: Adingpoks 1B EKO A component**

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product Identifier

- **Trade name:**

**Adingpoks 1B EKO A component**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

- **Use of the substance/mixture:**

Two-component epoxy resin-based coating

### 1.3 Details of the supplier of the safety data sheet

- **Manufacturer/Supplier:**

ADING AD, Novoselski pat (1409 Str.) No. 11  
1060 Skopje, Republic of Macedonia  
++389 2 2034-800  
+389 2 2034-821, 2034-822  
+389 2 2034-850, 2034-853

### 1.4 Emergency telephone number

- **Emergency telephone number:**

Toxicology Information Centre  
+389 2 3147-635

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

**In accordance with the Rulebook on Classification, Labelling and Packaging of Chemicals and Certain Products in line with UN's Globally Harmonised System of Classification and Labelling of Chemicals (Official Gazette of the Republic of Macedonia no. 145/10, 53/11 and 164/13)**

#### 2.1.1 Classification:

According to Regulation 1272/2008 (CLP)



GHS07

H315- Causes skin irritation (Hazard category 2)  
H319- Causes serious eye irritation (Hazard category 2)  
H317- May cause an allergic skin reaction (Hazard category 1)



GHS09

H411 – Toxic to aquatic life with long lasting effects (Hazard category 2)



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30.03.2017

Revision: 16.04.2015

**Trade name: Adingpoks 1B EKO A component**

## 2.2 Label elements

According to Regulation 1272/2008 (CLP)

- Hazard pictogram:**


- Signal word:** Danger
- H- Hazard statements:**

H315- Causes skin irritation.  
 H319 – Causes serious eye irritation.  
 H317- May cause an allergic skin reaction.  
 H411 - Toxic to aquatic life with long lasting effects.
- P- Precautionary statements:**

P280 – Wear protective gloves/protective clothing/eye protection/face protection.  
 P262 - Do not get in eyes, on skin, or on clothing.  
 P264 – Wash thoroughly after handling.  
 P273 - Avoid release to the environment.
- Classification:**

According to Directive 67/548/EEC
- R- Risk statements:**

R36/38 - Irritating to eyes and skin.  
 R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R43 - May cause sensitisation by skin contact.
- S- Safety statements:**

S37/39 - Wear suitable gloves and eye/face protection.  
 S24/25 - Avoid contact with skin and eyes.  
 S61 - Avoid release to the environment. Refer to special instructions/safety data sheet.

## 2.3 Other hazards

**PBT and vPvB results:** PBT: Not applicable.  
vPvB: Not applicable.

## 3. Composition/information on ingredients









### 3.1 Substances

Not applicable.

### 3.2 Mixtures

- Chemical characterization: Epoxy resin**

- Dangerous components:**

<p>CAS: 25068-38-6 EINECS: 500-033-5</p>	<p><b>Bisphenol A (epichlorohydrin)</b>       Xi,  N R51/53, R 36/38, R43                      GHS07 Skin irritation (Hazard category 2), H315; Skin sensitivity (Hazard category 1), H317; Eye irritation (Hazard category 2), H319.                      GHS09 Toxic to aquatic life (Hazard category 2), H411</p>	<p>&lt;30%</p>
<p>CAS: 1330-20-7 EINECS: 215-535-7</p>	<p><b>Xylene</b>       Xi,  N R51/53, R 36/38, R43                      GHS02 Flammable liquid and vapour (Hazard category 3), H226.                      GHS07 Skin irritation (Hazard category 2), H315</p>	<p>&lt;8%</p>

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Revision: 16.04.2015

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## 4. First aid measures

### 4.1 Description of first aid measures

- **General information:** Immediately remove contaminated clothing and call a physician if symptoms of poisoning develop.
- **After inhalation:** Remove the person to fresh air. If unconscious, place in recovery position and get medical attention.
- **After skin contact:** Wash immediately and continuously with plenty of water and soap.
- **After eye contact:** Rinse eyes under running water for several minutes with the eyelids held wide open. If symptoms persist, call a physician.
- **After swallowing:** Rinse the mouth with plenty of water. Do not induce vomiting. Seek medical attention.

### 4.2 Information for doctor

- **Most important symptoms and effects, both acute and delayed** No relevant additional information available.

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

- **Indication of any immediate medical attention and special treatment needed** No relevant additional information available.

## 5. Firefighting measures

### 5.1 Extinguishing media

- **Suitable extinguishing media:** Carbon dioxide, powder or water spray. Fight larger fires with water jet and use suitable fire extinguishing media in accordance with the prescribed rules.

### 5.2 Special hazards arising from the substance or mixture

- **Special hazards arising from the substance or mixture:** Carbon monoxide. Under certain fire conditions, traces of toxic gases may be released.

### 5.3 Advice for firefighters

- **Protective equipment:** Suitable protective equipment.

Printing date:  
30.03.2017

Revision: 16.04.2015

**Trade name: Adingpoks 1B EKO A component**

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- **Personal precautions:** Wear suitable protective clothing and keep unprotected persons away.

### 6.2 Environmental precautions

- **Environmental precautions:** Do not allow the material to enter soil/sewage system, surface water. Inform the competent authorities in case of spillage into the sewage system.

### 6.3 Methods and material for containment and cleaning up

- **Methods for cleaning up:** The contaminated material must be disposed of according to the relevant rules on disposal. Absorb spillage with suitable absorbent material (diatomaceous earth, sand, acid-binding agents, etc.). Ensure appropriate ventilation in the room.

## 7. Handling and storage

### 7.1 Precautions for safe handling

- **Precautions for safe handling:** Ensure appropriate ventilation in the area where this material is handled. Avoid contact with skin and eyes.
- **Precautions against fire and explosion:** No special precautions required.

### 7.2 Conditions for safe storage, including any incompatibilities

- **Conditions for storerooms and vessels:** Store in a dry, well-ventilated area in containers suitable for storage.

### 7.3 Specific end use(s)

- **Specific storage conditions** No relevant additional information available.

Printing date:  
30.03.2017

Revision: 16.04.2015

**Trade name: Adingpoks 1B EKO A component**

## 8. Exposure controls/personal protection

### 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**
  - Not required.
  - DNEL
  - Dermal-8.33 mg/kg bw/day
  - Inhalation-12.25 mg/m<sup>3</sup>
  - PNEC
  - Freshwater – 0.006 mg/l
  - Freshwater sediment – 0.0627 mg/kg/wwt
  - Marine – 0.0006 mg/l
  - Marine sediment – 0.0627 mg/kg/wwt
  - Soil – 0.0478 mg/kg/wwt
- **Additional information:** No additional information.

### 8.2 Exposure controls and personal protection

- **Exposure controls** Ensure ventilation in the area of use. Avoid creating dust.
- **Personal protective equipment**
- **Respiratory protection:** Use appropriate respiratory mask in case of prolonged exposure.
- **Hand protection:** Gloves made of material that is impermeable and resistant to the product (butyl rubber or nitrile rubber).
- **Eye protection:** Safety glasses.
- **Skin protection:** Wear suitable protective clothing.

Printing date:  
30.03.2017

Revision: 16.04.2015

**Trade name: Adingpoks 1B EKO A component**

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- **Appearance:**
  - Form:** Viscous liquid
  - Colour:** Opaque
- **Odour:** Specific
- **Odour threshold:** Unspecified
- **pH value at t=20°C** No information available.
- **Melting point** 30-50°C
- **Boiling point** >320°C
- **Flash point** 266°C
- **Evaporation rate** No information available.
- **Flammability (solid, gas)** No information available.
- **Upper/lower flammability or explosive limits** 455°C
- **Vapour pressure** 0.0000046 hPa
- **Vapour density** No information available.
- **Relative density** 1.60 – 1.70 g/cm<sup>3</sup>
- **Solubility** 0.0069 g/l (Soluble in organic solvents)
- **Partition coefficient: n-octanol/water at 25°C** No information available.  
3.242 log POW
- **Auto-ignition temperature** No information available.
- **Decomposition temperature** No information available.
- **Viscosity** 9 – 13 Pa.s
- **Explosive properties** No information available.
- **Oxidising properties** No information available.

## 10. Stability and reactivity

### 10.1 Reactivity

- No information available.

### 10.2 Chemical stability:

- Stable under normal temperature and pressure.

### 10.3 Possibility of hazardous reactions:

- Exothermic polymerization.
- Reacts with amines, alkalis and acids.

### 10.4 Conditions to avoid:

- No information available.

### 10.5 Incompatible materials:

- No information available.

### 10.6 Hazardous decomposition products:

- Irritating gases and vapours.

Printing date:  
30.03.2017

Revision: 16.04.2015

**Trade name: Adingpoks 1B EKO A component**

## 11. Toxicological information

### 11.1 Information on toxicological effects

- **Acute toxicity:** /

- **LD/LC50 values relevant for classification:**

25068-38-6 Bisphenol A (epichlorohydrin)

Oral	LD 50	>10,000 mg/kg (rat)
Dermal	LD 50	23,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin** Irritating to skin and mucous membranes.
- **on the eye** Causes irritation.
- **Sensitization:** May cause sensitization by skin contact.

## 12. Ecological information

### 12.1 Toxicity:

#### 12.1.1 Aquatic toxicity:

- Toxic.  
25068-38-6 Bisphenol A (epichlorohydrin)  
EC 50/48h – 1.8 mg/3 (daphnia)  
EC 50/72h – 11 mg/l (algae)  
LC50/96h – 2mg/l (leuciscus idus)

#### 12.2 Persistence and degradability:

- No relevant information available.

#### 12.3 Bioaccumulative potential:

- No relevant information available.

#### 12.4 Mobility in soil:

- No relevant information available.

#### 12.5 Results of PBT and vPvB assessment:

- No information available.

#### 12.6 Other adverse effects:

- No information available.

Printing date:  
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Revision: 16.04.2015

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## 13. Disposal considerations

### 13.1 Waste treatment methods

**Product waste should be treated in accordance with the Law on Waste Management (Official Gazette of the Republic of Macedonia no. 100/2005, 2/2011, 123/2012, 147/2013), whereas used packaging should be treated in accordance with the Law on Management of Packaging and Packaging Waste (Official Gazette of the Republic of Macedonia no. 161/2001, 136/2011, 39/2012)**

- **Recommendation:** May not be disposed of together with household waste. Do not allow the material to enter the sewage system.
- **Uncleaned packaging**
- **Recommendation:** Uncleaned packaging must be disposed of in accordance with relevant regulations.

## 14. Transport information

### 14.1 UN number

- ADR, ADN, IMDG, IATA – 3082

### 14.2 UN proper shipping name

- ADR, ADN, IMDG, IATA – Environmentally hazardous substance.

### 14.3 Transport hazard class

- ADR, ADN, IMDG, IATA –  
9 – Miscellaneous hazardous materials

### 14.4 Packing group

- ADR, ADN, IMDG, IATA –  
III

### 14.5 Environmental hazards

- Hazardous
- ADR (Symbol: Fish and tree – GHS09)
- IATA (Symbol: Fish and tree-GHS09)

### 14.6 Special precautions for user

- Kempler code-90
- Warning – hazardous material

### 14.7 Transport in bulk

- /



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**Trade name: Adingpoks 1B EKO A component****15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Law on Health and Safety at Work (Official Gazette of the Republic of Macedonia no. 92/2007, 137/2013, 164/2013, 158/2014); Law on Chemicals (Official Gazette of the Republic of Macedonia no. 145/2010, 53/2011, 164/2013); Law on Environment (Official Gazette of the Republic of Macedonia no. 53/2005, 24/2007, 93/2013). Rulebook amending the Rulebook on the Form and Contents of the Application Form for Obtaining Permit for Import, Export and Transport of Toxic Chemicals and Their Precursors for Purposes Not Prohibited (Official Gazette of the Republic of Macedonia no. 291/2014); Rulebook on Specific Requirements for the Legal Persons Trading in Dangerous Chemicals (Official Gazette of the Republic of Macedonia no. 132/2008); Rulebook on Labelling and Packaging of Dangerous Chemicals (Official Gazette of the Republic of Macedonia no. 85/2009); Rulebook on Hazardous Substances, Threshold Limit Values of Hazardous Substances and Criteria or Properties for Classifying Substances as Hazardous (Official Gazette of the Republic of Macedonia no. 25/2010); List of Prohibitions and Restrictions in the Use of Chemicals (Official Gazette of the Republic of Macedonia no. 57/2011); Rulebook on Chemical Safety Assessment and Contents of the Chemical Safety Report (Official Gazette of the Republic of Macedonia no. 82/2011); List of Polluting Materials and Substances (Official Gazette of the Republic of Macedonia no. 122/2011); Law on Chemicals (Official Gazette of the Republic of Macedonia no. 31/2014); Rulebook amending the Rulebook on the Form and Contents of the Application Form for Obtaining Permit for Import, Export and Transit of Toxic Chemicals and Their Precursors for Purposes Not Prohibited (Official Gazette of the Republic of Macedonia no. 192/2014).

**15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture.

**16. Other information**

Reason for issue: New format

This Safety Data Sheet summarises to the best of our knowledge the health and safety hazard information on the product. Each user should read this Safety Data Sheet and consider the information in the context of how the product should be handled and used, as well as how it should be stored, transported and disposed of. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. This information relates only to the specific product and may not be valid if the product is used in combination with any other material. All the information contained in this Safety Data Sheet is true and up-to-date.

**Relevant labels****H-statements**

- H315- Causes skin irritation.
- H319 – Causes serious eye irritation.
- H317- May cause an allergic skin reaction.
- H411 - Toxic to aquatic life with long lasting effects.

**P-statements**

- P280 – Wear protective gloves/protective clothing/eye protection/face protection.
- P262 - Do not get in eyes, on skin, or on clothing.
- P264 – Wash thoroughly after handling.
- P273 - Avoid release to the environment.

**R-statements**

- R36/38 - Irritating to eyes and skin.
- R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R43 - May cause sensitisation by skin contact.

**S-statements**

- S37/39 - Wear suitable gloves and eye/face protection.
- S24/25 - Avoid contact with skin and eyes.
- S61 - Avoid release to the environment. Refer to special instructions/safety data sheet.