

Printing date:
15.05.2015

Revision: 16.04.2015

Trade name: *Reparatur penetrat*

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

1.1 Product Identifier

- **Trade name:**

Reparatur penetrat

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

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

One-component polymer-modified, cement-based pre-coat for protection of concrete and steel reinforcement and for improving bonding with Reparatur malter-F1, Reparatur malter-F2 and Reparatur malter-F4

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)

H335- May cause respiratory irritation (Hazard category 3)

H317- May cause an allergic skin reaction (Hazard category 1)



GHS05

H318 – Causes serious eye damage. (Hazard category 1)

Printing date:
15.05.2015

Revision: 16.04.2015

Trade name: Reparatur penetrat

2.2 Label elements

- Hazard pictogram:**

According to Regulation 1272/2008 (CLP)



GHS07



GHS05

- Signal word:**

Danger

- H- Hazard statements:**

H315- Causes skin irritation.
H318 – Causes serious eye damage.
H335- May cause respiratory irritation.
H317- May cause an allergic skin reaction.

- P- Precautionary statements:**

P102 – Keep out of reach of children.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338 + P310 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P302 + P352 + P333 + P313 – IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
P261 + P304 + P340 + P312 – Avoid breathing dust/fume/gas/mist/vapours/spray. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P501 – Dispose of contents/container according to the Law on Waste Management.

- Classification:**

According to Directive 67/548/EEC

- R- Risk statements:**

R37/38 - Irritating to respiratory system and skin.
R41 - Risk of serious damage to eyes.
R43 - May cause sensitisation by skin contact.

- S- Safety statements:**

S24/25 - Avoid contact with skin and eyes.
S22 - Do not breathe dust.
S2 - Keep out of the reach of children
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46 - If swallowed, seek medical advice immediately and show this container or label.

2.3 Other hazards

PBT and vPvB results:

PBT: Not applicable.
vPvB: Not applicable.

Printing date:
15.05.2015

Revision: 16.04.2015

Trade name: Reparatur penetrat

3. Composition/information on ingredients





3.1 Substances

Not applicable.

3.2 Mixtures

- **Chemical characterization: Cement-based powdery mixture**

- **Dangerous components:**

CAS: 65997-15-1 EINECS: 266-043-4	Portland cement    	Causes serious eye damage/irritation, Hazard category 1, H318 XI R41 Skin irritation (Hazard category 2), H315; Skin sensitivity (Hazard category 1), H317; Specific target organ toxicity (single exposure) (Hazard category 3), H335 XI R37/38, R43	30-50%
--------------------------------------	---	--	--------

4. First aid measures

4.1 Description of first aid measures

- **General information:** The general hygiene measures for handling chemicals are to be adhered to when handling this material.
- **After inhalation:** In the event that irritation occurs, remove the person to fresh air. In case of irritation of the respiratory tract, seek medical attention.
- **After skin contact:** Immediately wash with plenty of water and soap. Remove contaminated clothing.
- **After eye contact:** Flush the eyes with plenty of water for several minutes with the eyelids held open. If symptoms persist, seek medical attention.
- **After swallowing:** Rinse mouth with plenty of water. Seek medical advice.

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.

Printing date:
15.05.2015

Revision: 16.04.2015

Trade name: Reparatur penetrat

5. Firefighting measures

5.1 Extinguishing media

- **Suitable extinguishing media:**

The product is non-flammable. Suitable extinguishing media for surrounding fire should be used.

5.2 Special hazards arising from the substance or mixture

- **Special hazards arising from the substance or mixture:**

None.

5.3 Advice for firefighters

- **Protective equipment:**

Suitable protective equipment.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- **Personal precautions:**

Ensure suitable personal protection and appropriate ventilation in the room.

6.2 Environmental precautions

- **Environmental precautions:**

Do not spill the material in the environment, sewage systems, nor in surface water, running water and ground water.

6.3 Methods and material for containment and cleaning up

- **Methods for cleaning up:**

In case of spillage, collect the spill with suitable tool.

7. Handling and storage

7.1 Precautions for safe handling

- **Precautions for safe handling:**
- **Precautions against fire and explosion:**

Wear protective clothing and avoid contact with skin and eyes. Avoid creating dust. Remove contaminated clothing.

No special precautions required.

7.2 Conditions for safe storage, including any incompatibilities

- **Conditions for storerooms and vessels:**

The material should be stored in a dry place.

7.3 Specific end use(s)

- **Specific storage conditions**

No relevant additional information available.

Printing date:
15.05.2015

Revision: 16.04.2015

Trade name: Reparatur penetrat

8.Exposure controls/personal protection

8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:** The material does not contain relevant amounts of Ingredients with limit values that require monitoring at the workplace.
- **Additional information:** No additional information.

8.2 Exposure controls and personal protection

- **Exposure controls** Ensure ventilation in the room where the work is carried out. Avoid creating dust.
- **Personal protective equipment**
- **Respiratory protection:** Suitable respiratory protection.
- **Hand protection:** Protective gloves.
- **Eye protection:** Safety glasses.
- **Skin protection:** Wear suitable protective clothing.

Printing date:
15.05.2015

Revision: 16.04.2015

Trade name: Reparatur penetrat

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- **Appearance:**
 - Form:** Powdery substance
 - Colour:** Grey
- **Odour** Unspecified
- **Odour threshold:** Unspecified
- **pH value at t=20°C** No information available.
- **Melting/freezing point** No information available.
- **Boiling point** No information available.
- **Flash point** No information available.
- **Evaporation rate** No information available.
- **Flammability (solid, gas)** No information available.
- **Upper/lower flammability or explosive limits** No information available.
- **Vapour pressure** No information available.
- **Vapour density** No information available.
- **Relative density** No information available.
- **Solubility** No information available.
- **Partition coefficient: n-octanol/water** No information available.
- **Auto-ignition temperature** No information available.
- **Decomposition temperature** No information available.
- **Viscosity** No information available.
- **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:

- No information available.

10.4 Conditions to avoid:

- Avoid unintended contact with water.

10.5 Incompatible materials:

- Acids.

10.6 Hazardous decomposition products:

- If it comes in contact with water, it produces calcium hydroxide.

Printing date:
15.05.2015

Revision: 16.04.2015

Trade name: *Reparatur penetrat*

11. Toxicological information

11.1 Information on toxicological effects

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

Oral	/	
Dermal	24 hours (rabbit)	2000 mg/kg is not lethal
Inhalation	/	

- **Primary irritant effect:**
- **on the skin** May cause skin irritation.
- **on the eye** May cause eye irritation.
- **Sensitization:** May cause skin and eye sensitization.

12. Ecological information

12.1 Toxicity:

12.1.1 Aquatic toxicity:

- It can be toxic under certain conditions.

12.2 Persistence and degradability:

- The product does not contain biodegradable components.

12.3 Bioaccumulative potential:

- No relevant information available.

12.4 Mobility in soil:

- The product is soluble in water and may move, that is, spread away from the area of release.

12.5 Results of PBT and vPvB assessment:

- No information available.

12.6 Other adverse effects:

- No information available.

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:** Dispose of waste in accordance with local regulations.
- **Uncleaned packaging**
- **Recommendation:** Used packaging together with waste material should be disposed of at construction waste landfills.

Printing date:
15.05.2015

Revision: 16.04.2015

Trade name: *Reparatur penetrat***14. Transport information****14.1 UN number**

- ADR, ADN, IMDG, IATA – Not subject to transportation regulations applicable to hazardous products.

14.2 UN proper shipping name

- ADR, ADN, IMDG, IATA – Not subject to transportation regulations applicable to hazardous products.

14.3 Transport hazard class

- ADR, ADN, IMDG, IATA – Not subject to transportation regulations applicable to hazardous products.

14.4 Packing group

- ADR, ADN, IMDG, IATA – Not subject to transportation regulations applicable to hazardous products.

14.5 Environmental hazards

- ADR, ADN, IMDG, IATA – Not subject to transportation regulations applicable to hazardous products.

14.6 Special precautions for user

- ADR, ADN, IMDG, IATA – Not subject to transportation regulations applicable to hazardous products.

14.7 Transport in bulk

- ADR, ADN, IMDG, IATA – Not subject to transportation regulations applicable to hazardous products.

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.

Printing date:
15.05.2015

Revision: 16.04.2015

Trade name: Reparatur penetrat

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.
- H318 – Causes serious eye damage.
- H335- May cause respiratory irritation.
- H317- May cause an allergic skin reaction.

P-statements

- P102 – Keep out of reach of children.
- P280 – Wear protective gloves/protective clothing/eye protection/face protection.
- P305 + P351 + P338 + P310 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- P302 + P352 + P333 + P313 – IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
- P261 + P304 + P340 + P312 – Avoid breathing dust/fume/gas/mist/vapours/spray. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- P501 – Dispose of contents/container according to the Law on Waste Management.

R-statements

- R37/38 - Irritating to respiratory system and skin.
- R41 - Risk of serious damage to eyes.
- R43 - May cause sensitisation by skin contact.

S-statements

- S24/25 - Avoid contact with skin and eyes.
- S22 - Do not breathe dust.
- S2 - Keep out of the reach of children
- S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
- S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S46 - If swallowed, seek medical advice immediately and show this container or label.