

## **Impregnation for concrete and plaster surfaces**

Issue: 26.06.2010

Revision: 06.06.2017

Version EN: 3.0

### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier** Impregnation for concrete and plaster surfaces

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

**Identified uses:** For impregnation of concrete, gypsum, clinker, etc. inside and outside  
**Uses advised against:** not specified

**1.3. Details of the supplier of the safety data sheet**

**Producer:** P.P.H.ALICHEM  
ul. Daszyńskiego 17  
46-060 Prószków  
tel.+48-77-5560686  
fax.+48-77-5449794  
[biuro@al-chem.pl](mailto:biuro@al-chem.pl)

**E-mail address of the person responsible for data sheet:** [biuro@al-chem.pl](mailto:biuro@al-chem.pl)

**1.4. Emergency telephone number** +48-77-5560686 ( hours 8.00 – 16.00)  
112 (Emergency telephone)

### **SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

According to Reg. 1272/2008

Product is not classified as dangerous.

**Human health dangers:**

None.

**Environmental hazards:**

None.

**Physic-chemical hazards:**

None.

**2.2. Label elements**

**Pictograms:**

None

**Signal Word:**

None

**Hazard Statement (H):**

None.

**Precautionary Statement (P):**

**P101** – If medical advice is needed, have product container or label at hand.

**P102** – Keep out of reach of children

**P280** – Wear protective gloves/protective clothing/eye protection/face protection

**2.3. Other hazards**

Mixture doesn't meet the criteria for PBT or vPvB according with Appendix XIII of REACH.

### **SECTION 3: Composition/information on ingredients**

**3.1. Substances**

Not applicable.

**3.2. Mixtures**

Hazardous components: none

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### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

##### **Skin contact**

Remove contaminated clothing. Wash contaminated skin with soap and water, rinse thoroughly with water, in case of irritation, redness, consult your doctor.

##### **Eye contact**

Rinse with plenty water (15min). Avoid strong water jet because of the danger of damage to the cornea. Consult your doctor.

##### **Inhalation**

Move to fresh air. Consult a physician if any symptoms develop and persist.

##### **Ingestion**

Rinse mouth with water. Do not induce vomiting. Consult your doctor.

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

No information available.

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

The decision about how to proceed after the physical assessment of the victim.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

*Suitable extinguishing media:* water spray, alcohol resistance foam, powder.

*Unsuitable extinguishing media:* Do not use a direct water jet.

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

None

#### **5.3. Advice for firefighters**

Containers in fire area cooled with water spray, if it is possible to remove the danger zone. Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Do not allow fire-fighting water run-off into surface water, groundwater and sewer.

### **SECTION 6: Accidental release measures**

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

*For non-emergency personnel:* to notify the appropriate service. Remove from the threats all person who does not participate in the removal of failure.

*For emergency responders:* Ensure adequate ventilation, gloves, goggles or full face shield.

#### **6.2. Environmental Precautions**

Do not discharge into the drains/surface water/groundwater.

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

Spills on the floor or other impervious surface should be absorber onto an absorptive material such as sand, earth, vermiculite. Collect the contaminated absorbent in suitable containers.

#### **6.4. Reference to other sections**

Disposal considerations – see section 13.

Personal precautions – see section 8.

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### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

Avoid contact with eyes and skin. Work in accordance with the principles of safety and hygiene: Do not eat, drink and smoke at work, wash your hands after use, remove contaminated clothing and protective equipment before entering places for meals.

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

The product stored in a cool, dry, well ventilated room, in the tightly closed container. Protect from direct sunlight.

#### **7.3. Specific end use(s)**

For impregnation of concrete, gypsum, clinker, etc. inside and outside

### **SECTION 8: Exposure controls/personal protection**

#### **8.1. Control parameters**

Occupational Exposure Limits: None.

#### **8.2. Exposure controls**

Appropriate engineering controls: Use in well-ventilated rooms.

#### **Individual protection measures, such as personal protective equipment:**



#### Eye / face protection:

Use goggles or a protective face mask (according to EN 166).

#### Skin protection

#### Hand protection:

It is recommended to use protective gloves resistant to chemicals in accordance with EN-PN 374:2005.

Recommended materials: natural rubber, PVA.

The selection of suitable gloves does not only depend on the material, but also on the brand and quality resulting from differences in manufacturers. Resistance of the material, the glove can be determined after the tests. The exact time of the destruction of the protective gloves must be determined by the manufacturer.

#### Other:

Protective clothing - clean regularly.

#### Respiratory protection:

Avoid breathing vapors.

#### **Thermal hazards:**

Not applicable.

#### **Environmental exposure controls:**

Not allowed to spread in the environment and run-off into drains and watercourses.

### **SECTION 9: Physical and chemical properties**

#### **9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Colour	White
Odour	Characteristic

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Odour threshold	Not applicable
pH	6 – 7
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	App. 1g/cm <sup>3</sup>
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not applicable
Solubility(ies)	Not applicable
Decomposition temperature	Not applicable
Viscosity;	Not applicable
Explosive properties	Not applicable
Oxidising properties	Not applicable

**9.2. Other information**

None.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

None.

**10.2. Chemical stability**

Under normal circumstances the product is stable.

**10.3. Possibility of hazardous reactions**

None.

**10.4. Conditions to avoid**

Direct sunlight, hot surfaces and open flames.

**10.5. Incompatible materials**

None.

**10.6. Hazardous decomposition products**

None.

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### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

- (a) acute toxicity: Based on the available data, the classification criteria are not met
- (b) skin corrosion/irritation: Based on the available data, the classification criteria are not met
- (c) serious eye damage/irritation: Based on the available data, the classification criteria are not met
- (d) respiratory or skin sensitisation: Based on the available data, the classification criteria are not met
- (e) germ cell mutagenicity: Based on the available data, the classification criteria are not met
- (f) carcinogenicity: Based on the available data, the classification criteria are not met
- (g) reproductive toxicity: Based on the available data, the classification criteria are not met
- (h) STOT-single exposure: Based on the available data, the classification criteria are not met
- (i) STOT-repeated exposure: Based on the available data, the classification criteria are not met
- (j) aspiration hazard: Based on the available data, the classification criteria are not met

#### **Information on likely routes of exposure:**

Respiratory: No known harmful effects

Ingestion: May cause irritation of the mucous membranes of the mouth, tongue, throat and downstream segments of the gastrointestinal tract, may experience nausea, abdominal pain, diarrhea, vomiting.

Skin contact: May cause irritation in case of direct exposure.

Eye Contact: May cause irritation in case of direct exposure.

#### **Delayed and immediate effects as well as chronic effects from short and long-term exposure:**

Not applicable.

#### **Interactive effects:**

Not applicable.

### **SECTION 12: Ecological information**

#### **12.1. Toxicity**

The product is not classified as dangerous to the environment. Do not allow product to reach surface water drains and watercourses.

#### **12.2. Persistence and degradability**

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatic

Easily biodegradable: 80%, 28days (OECD 301F)

#### **12.3. Bioaccumulative potential**

No information available.

#### **12.4. Mobility in soil**

No information available.

#### **12.5. Results of PBT and vPvB assessment**

No information available.

#### **12.6. Other adverse effects**

Not applicable.

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### **SECTION 13: Disposal considerations**

#### **13.1. Waste treatment methods**

The residue is stored in their original containers. Disposal must be made according to official regulations. It is recommended that cleaning water packaging with the possible addition of detergent.

#### **EU REGULATIONS**

Directive 2008/98/EC Of The European Parliament And Of The Council of 19 November 2008 on waste and repealing certain Directives

### **SECTION 14: Transport information**

ADR/RID/IMDG/ICAO:

#### **14.1. UN number**

not classified as dangerous

#### **14.2. UN proper shipping name**

not classified as dangerous

#### **14.3. Transport hazard class(es)**

not classified as dangerous

#### **14.4. Packing group**

not classified as dangerous

#### **14.5. Environmental hazards**

not classified as dangerous

#### **14.6. Special precautions for user**

not classified as dangerous

#### **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

not classified as dangerous

### **SECTION 15: Regulatory information**

#### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

##### **EU REGULATIONS:**

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
2. Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
3. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance).
4. Directive 2008/98/EC Of The European Parliament And Of The Council of 19 November 2008 on waste and repealing certain Directives

#### **15.2. Chemical safety assessment**

No chemical safety assessments for the mixture.

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### **SECTION 16: Other information**

#### **Abbreviations and acronyms, list of relevant hazard statements used in the safety data sheet:**

**PBT** – Persistent, Bioaccumulative and Toxic

**vPvB** – very Persistent and very Bioaccumulative

**ADR** – International Carriage of Dangerous Goods by Road

**RID** – International Carriage of Dangerous Goods by Rail

**IMDG** – International Maritime Dangerous Goods

**ICAO** – Safe Transport of Dangerous Goods by Air

#### **Training:**

Not required

#### **Classification method:**

Mixture not classified as hazardous.

Changes in sections: 2, 3, 13, 15

#### **Key literature:**

Annex to Regulation (EU) 2015/830.

Current legislation (Section 15).

Information Agency for Chemical Substances.

*The information in this MSDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this MSDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.*

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