

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 27.01.2026

Version number 4 (replaces version 3)

Revision: 27.01.2026

**\* SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** PENESEAL FH™ - PS**1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**Application of the substance / the mixture:**

Floor Hardener, Dust Proofer &amp; Curing Aid for Cement Based Substrate.

**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

PENETRON HELLAS S.A.

50, THRAKOMAKEDONON AV., 136 79 ACHARNES, GREECE

TEL.: +30 210 2448250 - FAX: + 30 210 2476803

Email: info@penetron.gr Site: www.penetron.gr

G.E.M.I. No: 07278001000

**1.4 Emergency telephone number:**

Emergency telephone number: 112

**\* SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation EC No 1272/2008 CLP:**

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

**2.2 Label elements****Labelling according to Regulation EC No 1272/2008 CLP:** Void**Hazard pictograms:** Void**Signal word:** Void**Hazard statements:** Void**Precautionary statements:**

P102 Keep out of reach of children.

**2.3 Other hazards****Results of PBT and vPvB assessment**

The product does not contain ingredients that are considered either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**PBT:** Not applicable**vPvB:** Not applicable**Determination of endocrine-disrupting properties**

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

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(Contd. of page 1)

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

**3.2 Mixtures****Description:**

Mixture consisting of substances that either not classified or not required to be stated in the Safety Data Sheet according to Reg. (EU) 2020/878.

**Ingredients according Regulation (EU) 2020/878: Void SVHC**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No 1907/2006 (REACH), Article 59)

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures****General information:**

No special measures required.

Take affected persons out into the fresh air.

**After inhalation:**

If breathing is difficult, remove to fresh air. Restore breathing. Keep warm and quiet.

In case of respiratory irritation or fainting, seek immediate medical attention.

Seek medical treatment in case of complaints.

**After skin contact:**

Rinse with plenty of water and soap.

In case of discomfort, consult a doctor.

**After eye contact:**

Rinse opened eye for at least 15 minutes under running water.

Remove contact lenses and continue rinsing for several minutes

If symptoms persist, consult a doctor.

Avoid strong water jet-risk of cornea damage, consult a doctor.

**After swallowing:**

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Never give anything by mouth to an unconscious person.

If symptoms persist consult doctor.

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

No further relevant information available.

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

Treat symptomatically and supportively.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media****Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray.

Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

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

Carbon dioxide (CO<sub>2</sub>)

Carbon monoxide (CO)

(Contd. on page 3)

EN

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(Contd. of page 2)

**5.3 Advice for firefighters****Protective equipment:**

During fire-fighting wear suitable respiratory device (SCBA) with a full face-piece operated in positive pressure mode.

Cool closed containers exposed to fire by spraying water.

**Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Avoid contact with skin and eyes.

Avoid inhalation of vapors.

**6.1.1 For non-emergency personnel** Avoid contact with dripping or leaking material.

**6.1.2 For emergency responders**

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

**6.2 Environmental precautions:** Prevent seepage into sewage system, workpits and cellars.

**6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

Send for recovery or disposal in suitable receptacles.

**6.4 Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Do not eat, drink or smoke when using this product.

Wash your hands before each break and after finishing work.

Avoid inhaling vapors.

**Information about fire - and explosion protection:** No special measures required.

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

**Storage:** Store in tightly closed containers, in a cool and dry place with good ventilation.

**Requirements to be met by storerooms and receptacles:** Store in a cool location.

**Information about storage in one common storage facility:**

Acidic, cationic, and salt materials may gel the product.

**Further information about storage conditions:**

Keep out of the reach of children.

Keep container tightly sealed.

Protect from heat and direct sunlight.

Protect from frost.

Store in original container.

**7.3 Specific end use(s)** No further relevant information available.

EN

(Contd. on page 4)

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(Contd. of page 3)

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### 8.2 Exposure controls

**8.2.1. Appropriate engineering controls** Good ventilation in working place.

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

##### General protective and hygienic measures:

Avoid contact with the eyes and skin.

Keep away from food, beverages and pet food.

Wash hands before breaks and at the end of work.

Do not eat, drink or smoke while using the product.

Do not breathe vapours or mists.

Wash contaminated clothes before reusing them.

##### Respiratory protection:



Use suitable respiratory protective device in case of insufficient ventilation.

##### Hand protection



Protective gloves resistant to chemicals (standard EN 374-1)

Selection of the glove material should be made considering the penetration times, rates of diffusion and the degradation

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

##### Material of gloves

Use chemically resistant impervious gloves complying with an approved standard; glove choice should take account of expected level and duration of contact.

##### Penetration time of glove material

The breakthrough times according to EN 374 Part III do not always apply under real conditions. A maximum usage time corresponding to 50% of the breakthrough time is recommended.

##### Eye/face protection



If splashing might occur use safety glasses in compliance with EN ISO 166

##### Body protection:



Protective work clothing

(Contd. on page 5)

EN

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**Trade name:** PENESEAL FH™ - PS

(Contd. of page 4)

**Environmental exposure controls**

If there are any established local limits for the emission of dangerous substances should be followed.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information**

|   |                        |
|---|------------------------|
| <b>Physical state</b>   | Liquid                 |
| <b>Colour:</b>  | Colourless             |
| <b>Odour:</b>   | Mild                   |
| <b>Odour threshold:</b>   | Not determined         |
| <b>Melting point/freezing point:</b>                            | Not determined         |
| <b>Boiling point or initial boiling point and boiling range</b> | 100 °C (212°F)         |
| <b>Flammability</b>   | Not applicable         |
| <b>Lower and upper explosion limit</b>                          |                        |
| <b>Lower:</b>   | Not determined         |
| <b>Upper:</b>   | Not determined         |
| <b>Flash point:</b>   | 5001 °C (9034°F)       |
| <b>Auto-ignition temperature:</b>                               | Not specified          |
| <b>Decomposition temperature:</b>                               | Not determined         |
| <b>pH</b>   | 11                     |
| <b>Viscosity:</b>   |                        |
| <b>Kinematic viscosity</b>                                      | Not determined         |
| <b>Dynamic:</b>   | Not determined         |
| <b>Solubility</b>   |                        |
| <b>water:</b>   | Fully miscible         |
| <b>Partition coefficient n-octanol/water (log value)</b>        | Not determined         |
| <b>Vapour pressure:</b>   | Not determined         |
| <b>Density and/or relative density</b>                          |                        |
| <b>Density at 20 °C:</b>  | 1.06 g/cm <sup>3</sup> |
| <b>Relative density</b>   | Not determined         |
| <b>Vapour density</b>   | Not determined         |

**9.2 Other information****Appearance:****Form:** Liquid**Important information on protection of health and environment, and on safety.****Ignition temperature:** Product is not selfigniting.**Explosive properties:** Product does not present an explosion hazard.**Fusion temperature / range:****Oxidising properties** Not classified as an oxidizer according to CLP Regulation 1272/2008/EC.**Evaporation rate** Not determined**Information with regard to physical hazard classes**

|                        |      |
|------------------------|------|
| <b>Explosives</b>      | Void |
| <b>Flammable gases</b> | Void |
| <b>Aerosols</b>        | Void |
| <b>Oxidising gases</b> | Void |

(Contd. on page 6)

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Trade name: PENESEAL FH™ - PS

(Contd. of page 5)

|  |      |
|--|------|
| <b>Gases under pressure</b>  | Void |
| <b>Flammable liquids</b>   | Void |
| <b>Flammable solids</b>  | Void |
| <b>Self-reactive substances and mixtures</b>                                     | Void |
| <b>Pyrophoric liquids</b>  | Void |
| <b>Pyrophoric solids</b>   | Void |
| <b>Self-heating substances and mixtures</b>                                      | Void |
| <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void |
| <b>Oxidising liquids</b>   | Void |
| <b>Oxidising solids</b>  | Void |
| <b>Organic peroxides</b>   | Void |
| <b>Corrosive to metals</b>   | Void |
| <b>Desensitised explosives</b>   | Void |

### SECTION 10: Stability and reactivity

**10.1 Reactivity** Stable under normal conditions

**10.2 Chemical stability** Material is stable under normal conditions.

**Thermal decomposition / conditions to be avoided**

No decomposition if used and stored according to specifications.

Stable at environment temperature.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid**

Do not mix with other materials unless advised by supplier.

Cooling

**10.5 Incompatible materials** Acidic, cationic, and salt materials may gel the product.

**10.6 Hazardous decomposition products**

Carbon dioxide (CO<sub>2</sub>)

Carbon monoxide (CO)

### \* SECTION 11: Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity** Based on available data, the classification criteria are not met.

**Specific symptoms in biological assay:**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

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(Contd. on page 7)

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**Trade name:** PENESEAL FH™ - PS

(Contd. of page 6)

None of the ingredients is listed.

\* **SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable

**12.6 Endocrine disrupting properties**

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**12.7 Other adverse effects**

The product does not contain substances listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

**Additional ecological information:****General notes:**

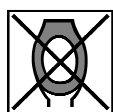
Not hazardous for water.

Not known to be hazardous to water.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

**14.1 UN number or ID number**

Unenforceable. Not classified as dangerous for transport.

ADR, ADN, IMDG, IATA

Void

**14.2 UN proper shipping name**

ADR, ADN, IMDG, IATA

Void

(Contd. on page 8)

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Trade name: PENESEAL FH™ - PS

(Contd. of page 7)

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA

Class Void

**14.4 Packing group**

ADR, IMDG, IATA Void

**14.5 Environmental hazards:** Not applicable**14.6 Special precautions for user** Not applicable**14.7 Maritime transport in bulk according to IMO**

instruments Not applicable

UN "Model Regulation": Void

\* **SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

**Directive 2012/18/EU****Named dangerous substances - ANNEX I** The substance is not included in Annex I.**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**National regulations:** None**Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

It doesn't contain substances of very high concern (SVHC).

(Contd. on page 9)

EN

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(Contd. of page 8)

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.


**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Training hints**

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

**Department issuing SDS:**

 SUSTCHEM S.A.  
 REACH & Chemical Services Department  
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**Version number of previous version:** 3

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative