Peneseal FH™ - PS

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue: 07/12/2016 Revision date: 01/24/2024 Version: L03/P-PI

SECTION 1: Identification

1.1. Product identifier

Product name : Peneseal FH™ - PS

Product code : Not available

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

Use of the substance/mixture : Floor Hardener, Dust Proofer & Curing Aid for Cement Based Substrate

1.3 Details of the supplier of the safety data sheet

Penetron International, Ltd.
601 S. 10th Street, Unit 300
Allentown, PA 18103 - USA
T +1 (631) 941-9700
info@penetron.com - www.penetron.com

1.4 Emergency telephone number

Emergency number : CHEMTREC: US and Canada: 1-800-424-9300; International +1 703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified.

2.2 Label elements

GHS-US labeling

No labeling applicable.

2.3 Other hazards

No additional information available.

2.4 Unknown acute toxicity (GHS US)

Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Substance

Not applicable.

3.2 Mixture

Name	Product identifier	%
Silicon dioxide	(CAS No) 7631-86-9	7 -13*

* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: First aid measures

4.1 Description of first-aid measures

First-aid measures after inhalation : If inhaled and breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : If on skin, wash with soap and water.

First-aid measures after eye contact : In case of contact, rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

First-aid measures after ingestion : If swallowed, rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : No information available.

Symptoms/injuries after skin contact : No information available.

Symptoms/injuries after eye contact : No information available.

Symptoms/injuries after ingestion : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and treat for surrounding material.

Unsuitable extinguishing media : CAUTION: Use of water spray when fighting fire may be inefficient.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Products of combustion include: oxides of carbon.

5.3. Advice for firefighters

Protection during firefighting : Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Methods and material for containment and cleaning up

For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up : Scoop up material and place in a disposal container. Provide ventilation.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Do not breathe dusts or mists. Do not swallow. Handle and open container with care. Do not eat, drink or smoke when using this product.

Hygiene measures : Wash hands before eating, drinking, or smoking. Launder contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in original container, tightly sealed, in a cool and dry area. Do not store in direct sunlight. Product damage will occur if allowed to freeze. Store at temperatures between 5-40 °C (41-104 °F).

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Silicon dioxide (7631-86-9)	
ACGIH	10 mg/m^3
OSHA	20 mppcf TWA; ((80)/(%SiO2) mg/m^3)
NIOSH	IDLH: 3000 mg/m^3 TWA: 6 mg/m^3

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

8.2. Exposure controls

Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Hand protection : Wear appropriate protective gloves.

Eye protection : Wear appropriate eye protection.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls	:	Maintain levels below Community environmental protection thresholds.
Other information	:	Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Clear to Hazy
Color	:	Colorless
Odor	:	Mild
Odor threshold	:	No data available
pH	:	11
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	100°C / 212°F
Flash point	:	5001°C / 9034°F
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Vapor pressure	:	No data available
Specific gravity	:	1.06
Relative vapor density at 20 °C	:	No data available
Solubility	:	Miscible in water
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available

9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Do not mix with other material(s) unless advised by supplier. Do not allow to freeze as it will damage the product.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:	Not classified

Silicon dioxide (7631-86-9)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	> 2.2 mg/L 1 hour

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 sensitization : 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.

Silicon dioxide (7631-86-9)	
IARC	Group 3

IARC (International Agency for Research on Cancer)
Group 3 - not classifiable as to carcinogenicity in humans.

Reproductive toxicity : No information available.
Specific target organ toxicity (single exposure) : No information available.
Specific target organ toxicity (repeated exposure) : No information available.
Chronic Toxicity : No known effect based on available information. Contains a known or suspected carcinogen.
Target Organ Effects : Eyes. Respiratory system.
Aspiration hazard : No information available.
Numerical measures of toxicity : Not applicable.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The environmental impact of this product has not been fully investigated.

Silicon dioxide (7631-86-9)	
Toxicity to Algae	72h EC50: = 440 mg/L (Pseudokirchneriella subcapitata)
Toxicity to Fish	96h LC50: = 5000 mg/L (Brachydanio rerio)
Toxicity to Microorganisms	
Daphnia Magna (Water Flea)	48h EC50: = 7600 mg/L

12.2. Persistence and degradability

Peneseal FH™- PS	
Persistence and degradability	No information available.

12.3. Bioaccumulative potential

Peneseal FH™- PS	
Bioaccumulative potential	No information available.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Effect on the global warming : No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

SECTION 14: Transport information

14.1 DOT, ADR, IMDG, IATA transportation

In accordance with DOT, ADR, IMDG, IATA
Not regulated for transport
Not regulated as Dangerous Goods

14.2. Additional information

Other information : No supplementary information available.
Special transport precautions : Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2. US State regulations

Peneseal FH™- PS	
State or local regulations	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

15.3 Right-To-Know regulation

Silicon dioxide (7631-86-9)	
New Jersey	x
Massachusetts	x
Pennsylvania	x
Rhode Island	
Illinois	

SECTION 16: Other information

Date of issue : 07/12/2016
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Other information : None.

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