

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Identity: Peneseal FH™ Concentrate

Manufacturer's Name: Penetron International, Ltd.

Street Address: 45 Research Way, Suite 203, East Setauket, New York 11733, USA

Emergency Telephone Number: +1 (631) 941-9700

Product Use: Polymer modified cementitious waterproofing membrane

Date of Preparation of the MSDS: 11/22/2006

Date of Last Revision of the MSDS: 8/6/2014

SECTION 2 - HAZARDS IDENTIFICATION

Physical Form: Liquid

Odor: No odor

Primary Entry Routes: Inhalation, ingestion, skin contact, eye contact

Signs and Symptoms of Exposure (Acute Effects):

Inhalation: Cough, sore throat

Ingestion: Burning sensation

Skin Contact: Dry skin, redness and irritation

Eye Contact: Redness, burning sensation and irritation

Signs and Symptoms of Exposure (Chronic Effects): Repeated or prolonged contact with skin may cause nervous system damage.

Aggravation of Pre-Existing Conditions: Pre-existing conditions involving any of the above mentioned target organs or systems may be aggravated by this product.

Risk Phrases:

R22 Harmful by ingestion

R36/37/38 Irritating to eyes, respiratory system and skin

R41 Risk of serious damage to eyes

R43 May cause sensitization by skin contact

Safety Phrases:

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of water.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: Blend of silicates derivatives and surfactants in water

COMPONENT	CAS NUMBER	% BY WEIGHT
Silicate derivative (modified)	1344-09-8	Proprietary
Surfactant	trade secret	Proprietary

This product does not contain any hazardous substance and are environmentally biodegradable.

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush with water for 15 minutes. Remove contact lenses if applicable to person and easily possible. Seek medical attention if irritation occurs.

Skin Contact: Immediately flush affected area with water for 15 minutes. Remove and wash any contaminated clothing. Seek medical attention if irritation occurs.

Inhalation: Move affected individual to fresh air and seek medical attention immediately.

Ingestion: Immediately rinse mouth out with water. Do not induce vomiting. Seek immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties: Not combustible (water based)

Suitable Extinguishing Media: Use any extinguishing media suitable for the surrounding fire.

Protection of Firefighters: Firefighters should wear self-contained breathing apparatus and full fire fighting turn-out gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate contaminated area. Do not walk through spilled material. Increase ventilation and wear protective clothing and respiratory protection.

Environmental Precautions: Keep spilled material and runoff from entering drains, sewers, ditches and waterways. Minimize use of water to prevent environmental contamination.

Methods for Clean-up: Vacuum or sweep up spilled material and place in a tightly sealed drum for proper disposal in accordance to local rules and regulations.

SECTION 7 - HANDLING AND STORAGE

Handling: Wear appropriate protective clothing and 3M masks when there is risk of exposure. Minimize unnecessary personal contact. Workers should wash hands and face before eating and drinking.

Storage: Store in original container whenever possible. Store in a cool, dry, well-ventilated area out of direct sunlight. Do not store in the vicinity of food and drink. Keep in sealed container until needed. Recommended storage temperature is 10-40°C.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters: N/Av

PRODUCT NAME

EXPOSURE LIMITS

Silicate derivate(modified)

OSHA PEL TWA

ACGIH TLV TWA

Surfactant

N/Av

N/Av

N/Av

N/Av

Personal Protective Equipment (PPE):

Eye/Face Protection: Wear suitable eye protection.

Skin Protection: Wear protective gloves (according to or experience, we recommend using PVC with nitrile reinforced gloves).

Wear suitable protective clothing and boots to prevent skin contact.

Respiratory Protection: For foreseeable industrial use of this material, respiratory protection should not be necessary.

General Hygiene Considerations: Wash all exposed skin after handling materials and before eating, drinking or using a lavatory. Launder all clothes and wash protective gear once finished using materials.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to hazy

Odor Threshold: N/Av

Physical State: Liquid

pH: 11.5 - 12.5

Boiling Point: >100°C (212°F)

Vapor Pressure (mm Hg): N/Av

Relative Density: 1.35 kg/l

Solubility in Water: Soluble

Melting/Freezing Point: N/Av

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Products are stable under prescribed storage and handling conditions.

Conditions to Avoid: Heat, heat sources, moisture

Incompatible Materials: Acids

Hazardous Decomposition: N/Av

Hazardous Reactions: N/Av

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity: Product is non-toxic and biodegradable.

Carcinogenicity: No data available.

Reproductive Effects: No data available.

Target Test Organs: No data available.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental Toxicity: Biodegradable

Ecotoxicity: N/Av

Degradability: Readily biodegradable more than 98% at 20°C

Bioaccumulation: N/Av

Mobility: N/Av

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Disposal should be in accordance with applicable regional, national and local laws and regulations. Avoid spillage of material and prevent material or runoff from entering drains, sewers, ditches and waterways. Minimize use of water to prevent environmental contamination.

SECTION 14 - TRANSPORT INFORMATION

REGULATORY INFORMATION	UN NUMBER	PROPER SHIPPING NAME	CLASSES	PG*	ADDITIONAL INFO
DOT Classification	Not Regulated	-	-	-	
TDG Classification	Not Regulated	-	-	-	
ADR/RID Class	Not Regulated	-	-	-	
IMDG Class	Not Regulated	-	-	-	
IATA-DGR Class	Not Regulated	-	-	-	

*PG – Packing Group

Other Information: Not regarded as hazardous product for transportation (Recommendations on the Transport of Dangerous Goods: Model Regulations; 16 revised edition, United Nations 2009).

SECTION 15 - REGULATORY INFORMATION

US FEDERAL REGULATIONS:

United States Inventory (TSCA, US): Not determined

SARA 302/304/311/312 Extremely Hazardous Substances: No products were found.

EU GUIDELINES:

This product has been established and marked in accordance with EU Directive/Ordinance on non-hazardous materials.

CANADIAN INFORMATION:

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Canadian Environmental Protection Act (CEPA) Information: All ingredients listed appear on the Domestic Substances List (DSL).

SECTION 16 - OTHER INFORMATION

The information herein refers only to the materials listed. It does not relate to the use of these materials in combination with any other materials or applications for which the product is not intended. The information included is accurate and reliable as of the most recent revision date of this MSDS.

LEGENDS

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Services

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980

CFR: Code of Federal Regulations

DOT: Department of Transportation

N/Av: Not Available

N/A: Not Applicable

OSHA: Occupational Safety and Health Administration

SARA: Superfund Amendments and Reauthorization Act

TDG: Canadian Transportation of Dangerous Goods Act & Regulations

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