



Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY

1.1 Product Identifier

Product Name	• PHOS-HW (ScaleSafe)
Synonyms	• Blended Phosphate
CAS Number	• Proprietary Blend
SDS Number/Grade	• 0125

1.2 Use of Substance/Mixture

Recommended use	• Water treatment; sequestration; corrosion inhibitor
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1.3 Company Identification

Name	• Southeastern Filtration & Equipment Systems
Address	• PO Box 1068 Canton, GA 30169

1.4 Contact Information

Information #	• (770) 720-2800
Emergency #	• (800) 935-8500

SECTION 2: HAZARDS IDENTIFICATION

2.1 Hazards

Emergency Overview

PHOS-HW is an odorless, white, granular material. Contact with the mists, sprays, or liquid may burn eyes and skin. **PHOS-HW** is neither flammable nor combustible. Emergency response individuals should wear the appropriate PPE suitable for the situation to which they are responding.

Classification of the substance or mixture

Hazard Statements:

- H302 – Harmful if swallowed
- H315 – Skin irritation
- H410 – Eye irritation

Precautionary Statements:

- P264 – Wash hands and forearms thoroughly after handling
- P280 – Wear eye protection, face protection, protective gloves, protective clothing
- P305+P351+P338 – If in eyes: Rinse cautiously with copious amounts of water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Hazard Symbols**Signal Word**

WARNING!

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**PHOS-HW**

Synonyms	• Blended Phosphate
CAS-No.	• N.A.

SECTION 4: FIRST AID MEASURES**4.1 Eye Exposure**

• Immediately flush eyes with copious amounts of water, occasionally lifting both upper and lower eyelids. If irritation persists contact a physician.

4.2 Skin Exposure

• Rinse with water for 5 minutes. Remove and wash any clothing exposed to the solution before reuse. If irritation and swelling persist, seek medical attention.

4.3 Inhalation

• Remove from further exposure. Expose individual to fresh air. If not breathing, give proper artificial respiration. If breathing is difficult, trained personnel should administer oxygen. Seek immediate medical attention.

4.4 Ingestion

• If victim is conscious and alert give 2-3 glasses of water or milk. **Do Not** induce vomiting. Do not give anything to drink to an unconscious person. Do not leave victim unattended. To prevent aspiration, lay victim on side with head lower than waist. Vomiting may occur simultaneously. Seek immediate medical attention.

4.5 Most Important Symptoms/Effects; Acute and Delayed

Potential Acute Health Effects

Eye Contact
Inhalation
Skin Contact
Ingestion

- May cause serious eye damage
- Inhalation of dust may irritate nose, throat and/or lungs
- Prolonged exposure may cause skin irritation
- Small amounts (tablespoonful) swallowed are not likely to cause injury; however, swallowing large amounts may irritate or burn digestive tract.

Over-exposure Signs/Symptoms

Eye Contact
Inhalation

- Adverse symptoms may include the following: pain, watering, redness
- No known significant effects or critical hazards.

Skin Contact	• Adverse symptoms may include the following: pain or irritation, redness, blistering (if repeated exposure)
Ingestion	• Adverse symptoms may include the following: stomach pains

4.6 Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary

Notes to Physician	• Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific Treatments	• No specific treatment
Protection of First-aiders	• No action shall be taken involving any personal risk without suitable training

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media	• Not combustible. Use extinguishing media suitable for surrounding fire.
Unsuitable Extinguishing Media	• None known

5.2 Special Hazards

Unusual Fire and Explosion Hazards	• No specific fire or explosion hazards.
Special Fire Fighting Procedures	• No special measures required.
Special Protective Equipment for Fire Fighters	• Wear appropriate protection equipment and self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment & Emergency Procedures

Personal Precaution	• Do not touch or walk through spilled material.
Emergency Procedures	• Keep unauthorized personnel away.

6.2 Methods and Material for Containment and Cleaning Up

Containment/Clean-up	• Sweep or vacuum up and place in appropriate closed container. Avoid dispersal of dust in the air. LARGE SPILLS: Cover powder with plastic sheet or tarp to minimize spreading.
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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Handling	<ul style="list-style-type: none"> • Avoid contact with skin, eyes, clothing and mucous membranes. Wear protective clothing. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices. Use in a well-ventilated area.
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7.2 Conditions for Safe Storage, Including Any Incompatibilities

Storage	<ul style="list-style-type: none"> • Store in a cool, dry location away from direct sunlight and source of heat. Store away from incompatible materials. (See Section 10)
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SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control Parameters

Exposure Limits/Guidelines	<ul style="list-style-type: none"> • No exposure limits were found for this product or any of its ingredients.
Engineering Measures/Controls	<ul style="list-style-type: none"> • Dilution ventilation. Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

8.2 Personal Protections

Respiratory Protection	<ul style="list-style-type: none"> • For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.
Skin Protection	<ul style="list-style-type: none"> • Where direct contact is likely, wear neoprene chemical resistant gloves and a protective apron or chemical suit if necessary.
Eye Protection	<ul style="list-style-type: none"> • Wear eye protection.
Body Protection	<ul style="list-style-type: none"> • A rubber apron or other impermeable body protection is suggested. Full body chemical protective clothing is recommended for emergency response procedures.
Ventilation Protection	<ul style="list-style-type: none"> • Not required

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Information

Appearance	<ul style="list-style-type: none"> • White Powder/Granular
Odor	<ul style="list-style-type: none"> • None

9.2 Important Health Safety and Environmental Information

pH 1% Solution:	• 5.4 – 6.0
Melting/Freezing Point:	• 177°C
Boiling Point/ Range:	• No Data
Flash Point:	• No Data
Evaporation Rate:	• No Data
Flammability (solid, gas):	• No Data
Flammability	• No Data
Explosive Limits:	• No Data
Vapor Pressure:	• No Data
Vapor Density:	• No Data
Relative Density:	• No Data
Solubility (ies):	• 1.5 – 2.5#/gallon
Partition Coefficient:	• No Data
Auto-ignition Temperature:	• No Data
Decomposition Temperature:	• No Data
Viscosity:	• No Data
Product Density:	• 63#/ft ³

SECTION 10: STABILITY AND REACTIVITY

10.1 Chemical Stability

- Stable under normal ambient conditions of temperature and pressure.

10.2 Conditions to Avoid

- Dusting conditions, extreme humidity

10.3 Incompatible Materials

- Strong oxidizing agents

10.4 Hazardous Decomposition Products

- Toxic fumes of PO_x may be emitted if decomposition temperature is reached. Oxides of sodium; oxides of phosphate.

10.5 Hazardous Polymerization

- Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity Estimates

GHS Properties	Classification
Acute Toxicity	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Skin Corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin Sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
Respiratory Sensitization	OSHA HCS 2012 • Classification criteria not met
Serious Eye Damage/Irritation	OSHA HCS 2012 • Classification criteria not met

11.2 Potential Health Effects

Inhalation

- Acute (Immediate) • Exposure to dust may cause irritation.
- Chronic (Delayed) • No data available.

Skin

- Acute (Immediate) • May cause mild irritation. Exposure to dust may cause mechanical irritation.
- Chronic (Delayed) • No data available.

Eye

- Acute (Immediate) • May cause mild irritation. Exposure to dust may cause mechanical irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.
- Chronic (Delayed) • No data available.

Ingestion

- Acute (Immediate) • Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort.
- Chronic (Delayed) • No data available.

Carcinogenic Effects

- This product does not contain any ingredient designed by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

SECTION 12: ECOLOGICAL INFORMATION

Biodegradability • No Data Found

Ecotoxicity • No Data Found

Biological Oxygen Demand (BOD5) • No Data Found

Chemical Oxygen Demand	• No Data Found
Additional Ecological Information	• The phosphate component of this product may act as a plant nutrient causing eutrophication.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Product Waste

- In case of spill, contain material and call local authorities for emergency assistance. Collect in appropriate containers. Dispose of all waste in accordance with appropriate Federal, State and local regulations.

13.2 Container Disposal

- State and local requirements for container disposal often differ with Federal laws. Consult local authorities regarding proper disposal of drums and containers.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name	• Water Treatment Compound
DOT Hazard Class	• Non Hazardous
U.N. Number	• Not Applicable
Reportable Quantity (RQ)	• Not Applicable
Packaging Group	• Not Applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

SARA Hazard Classifications

- Acute

SECTION 16: OTHER INFORMATION

NFPA Health Hazard	• 1 – May be irritating
NFPA Fire Hazard	• 0 – Not combustible
NFPA Reactivity	• 0 – Not reactive when mixed with water



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**Disclaimer/Statement of
Liability**

- The information herein is given in good faith but no warranty, expressed or implied, is made.