

1

PRODUCT AND COMPANY IDENTIFICATION

Product Identifier:

Product Form: Proprietary Formulation

Product Name: PolyPhos Beads®

Common Name: Sodium calcium polyphosphate; sodium polyphosphate glassy beads.

SDS Number: PolyPhos Beads®

Revision Date: 11/07/2018

Version: 1.0

Product Use: Mineral Sequestration/Corrosion Inhibitor for Potable and Non-Potable Water Systems.

Supplier's Address: SPER Chemical Corporation
14770-B 62nd Street N.
Clearwater, FL 33760

Emergency: CHEM-TEL 800-255-3924

Information: General Questions – 727-535-9033

2

HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Not Classified

Label Elements

GHS-US Labeling

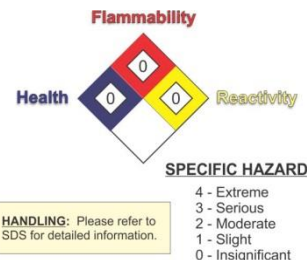
No labeling applicable

Other Hazards

Other Hazards Not Contributing to the Classification: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Handle with care as some sharp edges may cut skin.

Unknown Acute Toxicity (GHS-US)

None Known



3

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	Product Identifier	% (w/w)	Classification (GHS-US)
Polyphosphoric acid, sodium salts	(CAS No) 68915-31-1	Trade Secret	Not Classified
Phosphoric acid, calcium salt	(CAS No) 7558-23-8	Trade Secret	Not Classified

A range of concentration as prescribed by Controlled Products Regulations has been used where necessary, due to varying composition. The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

4

FIRST AID MEASURES

Inhalation: Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. If signs/symptoms continue, get medical attention.

Skin Contact: If on skin, wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Remove clothing and wash thoroughly before use.

SDS

PolyPhos Beads®

Water Treatment Formulation

Eye Contact: In case of contact with substance, immediately flush eyes with running water for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion: Not an expected route of entry. Immediate first aid is not likely to be required. No significant health effects are expected if only small amounts (less than a mouthful) are swallowed. If large quantities of this material are swallowed, give 2-3 glasses of water to drink and call a physician immediately. Do not leave victim unattended. Do not induce vomiting unless directed by medical personnel. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical. Do not give anything by mouth to an unconscious person.

Note to Physician: All treatment should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

5

Flammability Classification: Non Flammable.

Suitable Extinguishing Media: Non Combustible. Use extinguishing media suitable for surrounding fire.

Unsuitable Extinguishing Media: None known.

Fire Fighting Instructions: Wear positive pressure self-contained breathing apparatus (SCBA).

6

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective equipment clothing, gloves, and safety glasses. Spilled beads may present slipping hazard

Small Spills: Sweep or vacuum up and place in an appropriate closed container. Product residuals may be rinsed into the sanitary sewer system.

Large Spills: In case of spill: Pick up via sweep, scoop or vacuum and place in a suitable container for reclamation or disposal.

7

HANDLING AND STORAGE

Handling Precautions: Avoid direct or prolonged contact with skin and eyes. Handle with care as some sharp edges may cut. Avoid breathing dust. Keep containers closed when not in use to prevent hygroscopic contamination.

8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Exposure Limits/Guidelines: No exposure limits were found for this product or any of its ingredients.

Exposure Controls:

Engineering Measures/Controls: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Protective goggles, Gloves, Protective clothing.

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves. Material can cause cuts and abrasion to bare skin.

Eye Protection: Wear chemical goggles or safety glasses.

SDS

PolyPhos Beads®

Water Treatment Formulation

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental Exposure Controls: Do not allow the product to be released into the environment. May be released or rinsed into the sanitary sewer system.

9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Glassy Beads	Physical State:	Solid
Odor:	Odorless	Odor Threshold:	Not applicable
pH of 1% solution:	6.5 – 7.5	Melting Point:	1200° F+
Freezing Point:	Not applicable	Boiling Point:	Not applicable
Flash Point:	Non Flammable	Auto-Ignition Temp:	Not Flammable
Decomposition Temp:	Not applicable	Flammability:	Not Flammable
UFL / LFL:	Not available	Vapor Pressure:	Not applicable
Vapor Density:	Not applicable	Specific Gravity:	Not relevant
Bulk Density:	104.25 lb /ft ³	Solubility:	Soluble
Viscosity:	Not relevant	Molecular weight:	Not available

10

STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Reactivity: No dangerous reaction known under conditions of normal use.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Dusting conditions, extreme humidity or moisture; excess heat.

Incompatible Materials: Strong oxidizing agents, strong acids, and strong bases.

Hazardous Decomposition Products: Oxides of phosphorus, sodium, calcium, and magnesium.

11

TOXICOLOGICAL INFORMATION

Information on Toxicological Effects:

No Classification. This product does not meet the regulatory definition of a hazardous substance according to 29 CFR 1910. No toxicity studies have been conducted by the manufacturer.

Skin Corrosion/Irritation: (EU/CLP) Not classified (OSHA HCS) Not classified.

Skin Sensitization: (EU/CLP) Not classified (OSHA HCS) Not classified.

Carcinogenic: This product contains components that are classified as non-carcinogenic.

Mutagenic: This product contains components that are classified as non-mutagenic.

Potential Health Effects:

Inhalation: May cause irritation to the respiratory tract. Symptoms may include coughing, sneezing, burning throat, and runny nose.

Skin: May cause mild irritation. Symptoms may include redness and burning. Flush with water.

Eye: May cause irritation. Symptoms may include stinging, tearing and redness. Flush with water. If eye irritation develops, call a physician.

Ingestion: Drink large quantities of water, Induce vomiting and call a physician.

SDS

PolyPhos Beads®

Water Treatment Formulation

12

ECOLOGICAL INFORMATION

EcoToxicity:

Not available; no ecotoxicity studies have been conducted by the manufacturer.

Persistence and degradability: No data found for this product.
Data

Results of PBT and vPvB assessment: No

Bio-accumulative Potential: No data found for this product.

Other adverse effects: No data available

Mobility in soil: Soluble in water. Inorganic compounds in contact with soil may be taken up by plants as a nutrient.

13

DISPOSAL CONSIDERATIONS

Product Waste: Dispose of content and/or container may be land filled or recycled in accordance with local, regional, national, and/or international regulations.

Packaging Waste: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

14

TRANSPORT INFORMATION

US DOT: Not Regulated

IMO/IMDG: Not Regulated

TGD: Not Regulated

IATA/ICAO: Not Regulated

DSL: All components are listed on the DSL list.

CIDL: None of the components in this product are listed on the Canadian Ingredient Disclosure List.

NMFC Description: NMFC 46510, Phosphates, NOI, Class 55

15

REGULATORY INFORMATION

NSF/ ANSI Certification:

Certified under NSF/ANSI Standard 42 Drinking Water Treatment Units – Aesthetic Effects. Product conforms to the material requirements only. EPA limits the phosphate content of effluent water to 10 mg/L (MUL).

Certified under NSF/ANSI Standard 60 Drinking Water Treatment Chemicals – Health Effects, for use in potable water systems at concentrations of up to 12 mg/L (MUL).

US Federal Regulations:

All ingredients are listed on the United States TSCA (Toxic Substances Control Act) inventory. Neither this product nor any of its components appear on any U. S. states lists.

Canadian Regulations:

All ingredients are listed on the Canadian DSL (Domestic Substances List)

NOTICE

The information contained herein is accurate to the best of our knowledge. However, data, safety standards and government regulations are subject to change and, therefore, holders and users should satisfy themselves that they are aware of all current data and regulations relevant to their particular use of product. SPER CHEMICAL CORPORATION DISCLAIMS ALL LIABILITY FOR RELIANCE ON THE COMPLETENESS OR ACCURACY OR THE INFORMATION INCLUDED HEREIN. SPER CHEMICAL CORPORATION MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR USE OR PURPOSE OF THE PRODUCT DESCRIBED HEREIN. All conditions relating to storage, handling, and use of the product are beyond the control of SPER Chemical Corporation, and shall be the sole responsibility of the holder or user of the product.