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PRODUCT AND COMPANY IDENTIFICATION

Product Identifier:

Product Form: Proprietary Liquid Blend - Non-Potable

Product Name: SPER Rust Preventer®

Common Name: Blended Polyphosphate/Phosphonate/ Chelation Stabilizer Water Treatment Liquid Compound.

SDS Number: SRP

Revision Date: 06/15/2020

Version: 1.0

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

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

Emergency: CHEM-TEL 800-255-3924

Information: General Questions – 727-535-9033

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HAZARDS IDENTIFICATION

Classification of the Substance or Mixture :

Classification (GHS-US)

GHS Hazard Phrases:

H302 – May be Harmful if swallowed.
H290 – May be corrosive to metals.
H319 – May Cause serious eye irritation.
H314 – May Cause skin irritation and eye irritation

GHS Precaution Phrases:

P234 – Keep only in original container.
P264 – Wash hands thoroughly after handling.
P280 –Wear protective gloves/protective clothing/eye protection/face protection.
P260 – Do not breathe dust/fume/gas/mist/vapors/spray.

GHS Response Phrases:

P301+312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+351+338 – IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313 – If eye irritation persists, get medical advice/attention.
P390 – Absorb spillage to prevent material damage.

GHS Storage and Disposal

P405 – Store locked up.
P501 – Dispose of contents/container in accordance with all federal, state and local regulations.

OSHA Regulatory Status:

This material is classified as non-hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic):

May causes eye irritation and skin irritation. Harmfull if swallowed or if inhaled.

Eye Contact:

Corrosive. May cause eye irritation and slight tissue irritation.

Skin Contact:

Direct contact may cause irritation to skin, eyes, and respiratory tract.

Ingestion:

Can be an irritant to mouth, esophagus and stomach.

Inhalation:

Harmful if inhaled. Vapors and/or aerosols may be irritating to eyes and respiratory tract.

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	Product Identifier	% (w/w)	Classification (GHS-US)
Purified Water (17 megohm)	(CAS No) 7732-18-5	Proprietary	Not Classified
Trade Secret		Proprietary	Not Classified

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COMPOSITION/INFORMATION ON INGREDIENTS (continued)

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].

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FIRST AID MEASURES

Inhalation: Not applicable since the product is in liquid form.

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

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: If victim is conscious and alert, give 2-3 glasses of water to drink. Induce vomiting by touching the back of the throat with finger. Do not give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. 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.

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.

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FIRE FIGHTING MEASURES

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).

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ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Small Spills: Mop up spill and place in an appropriate closed container. Product residuals may be safely rinsed with water and evacuated into the sanitary sewer system.

Large Spills: Squeegee material to a controlled area and mop up spill to be placed in appropriate container. Product residuals may be safely rinsed with water and evacuated into the sanitary sewer system.

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HANDLING AND STORAGE

Handling Precautions: Avoid direct or prolonged contact with skin and eyes. Keep containers closed when not in use to prevent potential contamination.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

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

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.

Eye Protection: Wear chemical goggles or safety glasses.

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 with dilution with water.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear blue, slightly viscous	Physical State:	Liquid
Odor:	Nearly odorless	Odor Threshold:	Not available
pH of solution:	4.8 – 5.3	Melting Point:	Not available
Freezing Point:	-9° C (15.8° F)	Boiling Point:	Not available
Flash Point:	Not available	Auto-Ignition Temp:	Not available
Decomposition Temp:	Not available	Flammability:	Not available
UFL / LFL:	Not available	Vapor Pressure:	Not available
Vapor Density:	Not available	Specific Gravity:	1.35
Bulk Density:	11.25 lbs./gal	Solubility:	Soluble
Viscosity:	Not available	Molecular weight:	Not available

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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: Heat flames and contact with strong alkalis.

Incompatible Materials: Aminines, alkalis, metals, oxidizers, sulfites (toxic gas).

Hazardous Decomposition Products: Phosphorus oxides, sodium oxides.

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TOXICOLOGICAL INFORMATION

Information on Toxicological Effects:

Acute Toxicity: LD50 Oral – rat →5000 MG/KG

LD50 Dermal – rat – >15000 MG/KG

LC50 Inhalation – No data available

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

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

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TOXICOLOGICAL INFORMATION (Continued)

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:

Skin: May cause irritation. Flush with water.

Eye: May cause irritation. Flush with water. If eye irritation develops, call a physician.

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

Reproductive Toxicity: No data available.

Aspiration Hazard: No data available.

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ECOLOGICAL INFORMATION

Toxicity:

Toxicity to fish: LC50 > 100mg/L 96 hours (Rainbow Trout)

EC50 > 100mg/L 48 hours (Daphnia magna)

Persistence and degradability: No data found for this product.

Results of PBTand vPvB assessment: No Data

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

Other adverse effects: No data available

Mobility in soil: No data found for this product

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DISPOSAL CONSIDERATIONS

Product Waste: Dispose of content and/or container 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.

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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.

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REGULATORY INFORMATION

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 provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such

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