

# Material Safety Data Sheet

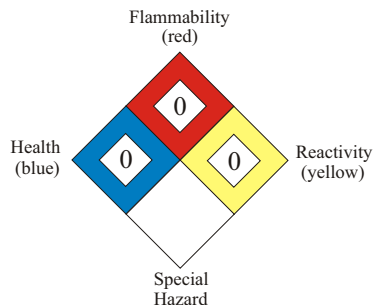
## SEQUEST-ALL EMC WSF-20 (liquid)

NFPA Designation 704

To:

Degree of Hazard

- 4 = Extreme
- 3 = High
- 2 = Moderate
- 1 = Slight
- 0 = Insignificant



**SPER Chemical Corporation Phone: (727) 535-9033 Fax: (727) 530-0741**  
14770 62nd. Street N., Clearwater, Florida 33760

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** Sequest-All EMC Water Treatment - WSF-20  
**COMMON NAME/SYNONYMS:** Blended Phosphate/Polyphosphate  
**FORMULA:** Proprietary  
**BULK DENSITY:** 9.4 lbs./gallon  
**DESCRIPTION/APPEARANCE:** Clear, light blue, slippery, slightly viscous liquid.

**MAXIMUM USE LEVEL:** 70.0 Mg/l  
(Potable Use MCL)



### SECTION II - NORMAL HANDLING PROCEDURES

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE INCLUDES:**

Avoid contact with eyes, skin or clothing. Do not take internally. Upon contact with skin or eyes, wash off with water. Do not use with mild steel or aluminum equipment. Mild steel is not satisfactory because the solution dissolves rust (oxides of iron). Aluminum is also not satisfactory because it is subject to corrosion including severe pitting.

**PROTECTIVE EQUIPMENT**

**EYES:** Goggles  
**GLOVES:** Impervious  
**OTHER:** None

**VENTILATION REQUIREMENTS:**

None

### SECTION III - HAZARDOUS INGREDIENTS

**BASIC MATERIAL:** Phosphate  
**SIGNIFICANT EFFECTS:** Irritation to eyes, skin and mucous Membranes.

**OSHA PEL:** None  
**LD 50:** 3000 MG/KG [rabbit]  
**LC 50:** No data

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT METHOD:** N/A  
**OSHA CLASSIFICATION:** Non-combustible liquid.  
**EXTINGUISHING MEDIA:** Non-combustible - choose media suitable for surrounding materials.

**EXPLOSIVE LIMITS:**  
**Lower:** ND **Upper:** ND

**SPECIAL FIRE HAZARD & FIRE FIGHTING PROCEDURE:** Use NIOSH approved self contained breathing apparatus when material is involved in fire.

### SECTION V - HEALTH HAZARD DATA

**THRESHOLD LIMIT VALUE:** None established

**SYMPTOMS OF OVER EXPOSURE:** May cause skin, eye and mucous membrane irritation.

**EMERGENCY FIRST AID PROCEDURES:**

**SKIN:** Flush with water. If an irritation develops, call a physician.

**EYES:** Flush with water. If eye irritation develops, call a physician.

**INGESTION:** Drink large quantities of water. Induce vomiting and call a physician.

### SECTION VI - TOXICOLOGY / ECOLOGICAL INFORMATION

**ACUTE ORAL LD 50:** 3000 MG/KG (rat)

**ACUTE DERMAL LD 50:** non-irritating (rabbit)

**ACUTE INHALATION LC 50:** No Data

**CARCINOGENIC:** Non-carcinogenic

**MUTAGENIC:** Non-mutagenic

**EYE IRRITANT:** Severly irritant

**PRIMARY SKIN IRRITANT:** Irritant

**EFFECTS OF ACUTE EXPOSURE:** May cause skin, eye and mucous membrane irritation.

**EFFECTS OF CHRONIC EXPOSURE:** None known.

**ECOTOXICOLOGICAL:** LC50 > 100mg/L 96 hours (Rainbow Trout)

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

### SECTION VII - SPILL OR LEAKAGE PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Wear appropriate protective equipment including goggles, gloves, and respirator to prevent contact with skin, eyes or mucous membranes. Do not use with mild steel or aluminum equipment. Mild steel is not satisfactory because the solution dissolves rust (oxides of iron). Alluminum is also not satisfactory because it is subject to corrosion including severe pitting. Mop and/or wash away spillage of material with water. Keep out of sewers, storm drains, surface waters, and soil. Comply with all applicable governmental regulations on spill reporting, handling, and disposal of waste.

**DISPOSAL METHOD:** Dispose of contaminated product and materials used in cleaning up spill in a manner approved for this material. Consult appropriate Federal, State, and Local regulatory agencies to ascertain proper disposal procedures.

### SECTION VII - HAZARDOUS REACTIVITY

**STABILITY:** Stable

**CONDITIONS TO AVOID:** None known

**HAZARDOUS DECOMPOSITION PRODUCTS:** Phosphorus oxides

**POLYMERIZATION:** Will not occur

**MATERIALS TO AVOID:** Aluminum  
& mild Steel

### SECTION IX - PHYSICAL DATA

**MELTING POINT:** 1090C

**BOILING POINT:** over 1500C

**SPECIFIC GRAVITY:** 1.18

**VAPOR PRESSURE:** No data

**SOLUBILITY IN WATER:** N/A

**pH PRODUCT:** 10.0 - 10.5

**VOLATILES:** No data

**EVAPORATION RATE:** ND

**VAPOR DENSITY:** No data

### SECTION X REGULATORY INFORMATION

**UNITED STATES FEDERAL REGULATIONS:**

**TSCA:** All components in this product are listed on the TSCA Inventory.

**OSHA:** None of the components in this product are considered hazardous.

**CANADA REGULATIONS:**

**DSL:** All components are listed on DSL list.

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

**NOTICE**

The information herein is to our knowledge true and accurate. All information appearing on this document is based on data obtained from the manufacturer and/or recognized technical sources. Because of conditions beyond our control, we make no warranty or representation, expressed or implied, except that the product discussed herein conform to the chemical descriptions shown on their labels/product data. No agent, representative or employee of this company is authorized to vary any of the terms of this notice.