

# Material Safety Data Sheet

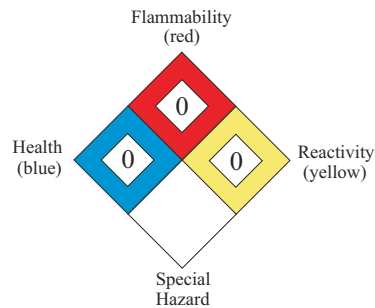
## LINEAR<sup>2</sup> (granular)

NFPA Designation 704

To:

Degree of Hazard

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



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### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** Linear<sup>2</sup> Water Treatment - Granular  
**COMMON NAME/SYNONYMS:** Long Chain Specialty Polyphosphate  
**FORMULA:** Proprietary  
**BULK DENSITY:** 78 Lbs./cubic foot  
**DESCRIPTION/APPEARANCE:** White, odorless powders and granules.

**MAXIMUM USE LEVEL:** 12 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.

**PROTECTIVE EQUIPMENT**

**EYES:** Goggles  
**GLOVES:** Impervious  
**OTHER:** NIOSH/MSHA approved dust respirator if excessive dusting occurs.

**VENTILATION REQUIREMENTS:**

Local mechanical exhaust ventilation recommended.

### SECTION III - HAZARDOUS INGREDIENTS

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

**OSHA PEL:** None  
**LD 50:** 2.9 G/KG [rat]  
**LC 50:** No data

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT METHOD:** N/A  
**OSHA CLASSIFICATION:** Non-combustible granular.  
**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:** 2.9 G/KG

**ACUTE DERMAL LD 50:** 7.6 G/KG (rat)

**LC 50:** > 1000 MG/L 96 hr. (Rainbow Trout)

**EC 50:** > 485 MG/L 48 hr. (Daphnia magna)

**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)

**CARCINOGENIC:** Non-carcinogenic

**MUTAGENIC:** Non-mutagenic

**EYE IRRITANT:** Irritant

**PRIMARY SKIN IRRITANT:** Irritant

### 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. Shovel or sweep and place in an approved DOT container and seal. Keep out of sewers, storm drains, surface waters, and soil. Comply with all applicable governmental regulations on spill reporting, handling, and disposal of waste. Wash away residual with water.

**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

**POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** None known

**HAZARDOUS DECOMPOSITION PRODUCTS:** Phosphorus oxides

### SECTION IX - PHYSICAL DATA

**MELTING POINT:** 550C

**VAPOR PRESSURE:** No Data

**VOLATILES:** Non-volatile

**BOILING POINT:** over 1500C

**SOLUBILITY IN WATER:** Yes

**EVAPORATION RATE:** ND

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.2 g/ml

**pH 1% SOLUTION:** 5.6 - 6.7

**VAPOR DENSITY:** Non-volatile

### 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

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