

Material Safety Data

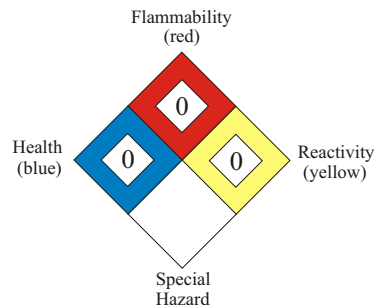
PROTECT-ALL (granular)



NFPA Designation 704

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: Protect-All Water Treatment - Granular
COMMON NAME/SYNONYMS: Blended Phosphate/Orthophosphate
FORMULA: Proprietary
BULK DENSITY: 68 Lbs./cubic foot
DESCRIPTION/APPEARANCE: White, odorless powders and granules.

MAXIMUM USE LEVEL: 12.1 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: 3.5 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

ACUTE ORAL LD 50: 3.5 G/KG

ACUTE DERMAL LD 50: 8.2 G/KG

ACUTE INHALATION LC 50: No Data

CARCINOGENIC: Non-carcinogenic

MUTAGENIC: Non-mutagenic

EYE IRRITANT: Irritant

PRIMARY SKIN IRRITANT: Irritant

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

EFFECTS OF CHRONIC EXPOSURE: None known.

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

BOILING POINT: over 1500C

SPECIFIC GRAVITY: 1.09 g/ml

VAPOR PRESSURE: No data

SOLUBILITY IN WATER: Yes

pH 1% SOLUTION: 5.1 - 5.4

VOLATILES: Non-volatile

EVAPORATION RATE: ND

VAPOR DENSITY: Non-volatile

NOTICE

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