

KLEAR-FLO

Version 1.0

Date 07/11/2016

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Drinking water Treatment
 Additives in Accordance With
 Standard ANSI/NSF 60 3HSZMax
 Use Level: 26.0 mg/L

SECTION 1. IDENTIFICATION

Product Name: **KLEAR-FLO**
 Synonyms: Condensed inorganic Phosphate Blend/Corrosion Inhibitor
 & Iron & Manganese Sequesterant.
 Supplier: H & S Corporation
 3320 Hwy 64 East
 Alma, AR 72921
 Phone: 1-800-264-0323 Fax: 1-479-632-3143
 Email: products@h-scorporation.com

EMERGENCY PHONE#: CHEMTREC 1-800-424-9300

SECTION 2. HAZARDS IDENTIFICATION**CLASSIFICATION: SKIN CORROSION/IRRITANT**

Signal Word: **WARNING**
 Hazard Category: 2
 Hazard Statement: Causes Skin Irritation

**CLASSIFICATION: EYE DAMAGE/IRRITATION**

Signal Word: **WARNING**
 Hazard Category: 2B
 Hazard Statement: Causes eye irritation

ROUTES OF EXPOSURE

Inhalation: No known risk of overexposure
 Skin Contact: Possible irritation of exposed tissue due to individual sensitivity.
 Eye Contact: Possible irritation to eyes if exposed due to individual sensitivity.
 Ingestion: May cause nausea. Ingestion as recommended in potable water
 Presents not known risk of overexposure.

NFPA RATING

HEALTH: 0
 FLAMMABILITY: 0
 REACTIVITY: 0

HMIS RATING

HEALTH 0
 FLAMMABILITY: 0
 REACTIVITY: 0

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SECTION 3. COMPOSITION INFORMATION

Clear, colorless liquid with no foreign odor.

This product contains **NO** hazardous ingredients as defined in 29 CFR 1910. 1200.

SECTION 4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water for at least 15 minutes, holding Eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness.
Seek medical attention.

SKIN: Wash thoroughly with soap and water, remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention if irritation should develop.

INHALATION: Remove to fresh air.

INGESTION: Seek medical attention immediately. Give large amounts of water to drink. If vomiting should occur spontaneously, keep airway clear. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE FIGHTING MEASURES**FIRE HAZARD DATA:**

Flash Point: Not Applicable.

Extinguishing Media: Not Combustible. Use extinguishing method suitable for surrounding fire.

Special Fire Fighting Procedures:

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Keep unnecessary people away., isolate hazard area and deny entry. Evacuate residents who are downwind of fire. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Persons who may have been exposed to contaminated smoke should be immediately examined by a physician and checked for symptoms of poisoning. The symptoms should not be mistaken for heat exhaustion or smoke inhalation.

Unusual Fire and Explosion Hazards:

Not combustible.

Hazardous Decomposition Materials (Under Fire Conditions): oxides and phosphorus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Not a hazardous waste. Mop up spill and pour waste solution down the drain.

SECTION 7. HANDLING AND STORAGE**PRECAUTIONARY STATEMENTS:**

CAUTION! MAY CAUSE IRRITATION.

Avoid contact with eyes, skin, and clothing.

Avoid breathing mist or spray.

Wear chemical splash goggles, gloves, and protective clothing when handling.

Wash thoroughly after handling.

May be harmful if swallowed or inhaled.

Keep away from heat and open flame.

Keep container closed when no in use.

FOR INDUSTRIAL USE ONLY.

HANDLING/STORAGE REQUIREMENTS:

To avoid individual sensitivity to material, wear gloves and protective clothing when handling. Store in a cool, dry, well ventilated place. Keep container tightly closed during transport and storage.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Requirements:	Standard general ventilation is sufficient.
Eye Protection:	Chemical splash goggles and/or face shield.
Skin Protection:	Chemical resistant gloves.
Respiratory Protection:	When exposures exceed the PEL, use NIOSH/MSHA approved respirator in accordance with OSHA Respiratory Protection Requirements under 29 CFR 1910.134.
Other Required Equipment:	Standard work clothing and work shoes. Safety shower and eye wash located in immediate area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear	Odor:	Odorless
Solubility in water:	Soluble	pH:	4-7
Specific Gravity:	1.355	Density @ 25°C:	11.34 lb/gal
Boiling Point:	~220°F (104°C)	Freezing Point:	~19°F (-7°C)
Viscosity:	>100	Volatiles by weight:	40-80%

SECTION 10. STABILITY AND REACTIVITY

Stable:	Yes
Hazardous Polymerization:	No
Conditions to avoid:	None
Incompatible Materials:	None
Decomposition Products	None
Hazardous polymerization:	Will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

Product is non-hazardous, no toxicology data available.

SECTION 12. ECOLOGICAL INFORMATION

Products is non-hazardous, no ecological data is available.

SECTION 13. DISPOSAL CONSIDERATION

Dispose of in accordance with all applicable federal, state and local regulations. This product is an aqueous solution. Even after the water boils off, the byproducts present present minimal hazards.

SECTION 14. TRANSPORTAION INFORMATION

DOT proper shipping name: Condensed Inorganic Phosphate Blend/Corrosion Inhibitor & Iron & Manganese Sequesterant.

RCRA status: **NON HAZARDOUS.**

SECTION 15. REGULATORY INFORMATION

This product does not contain any ingredients subject to the reporting requirements of SARA Title III, Section 313 (40 CFR Part 372).

No phosphate component has tested worse than:

96-hour LC 50 Bluegill: 6500 ppm practically non-toxic.

96-hour LC 50 Trout: 3200 ppm practically non-toxic.

EPA hazardous: No

SECTION 16. OTHER INFORMATION

This information provided in this SDS 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.