

BFR Product

IN CASE OF EMERGENCY, CALL CHEMTREC

UNITED STATES: 1-800-424-9300
INTERNATIONAL: 1-202-483-7616

MATERIAL SAFETY DATA

1. PRODUCT IDENTIFICATION

PRODUCT NAME: **WATER-GUARD**
SYNONYMS: NA
CHEMICAL FAMILY: Proprietary blend of ammonium salts, hydroxycarboxylic and phosphoric acid
GENERIC DESCRIPTION: Water Conditioner
MOLECULAR WEIGHT: NA

2. HAZARDOUS INGREDIENTS

COMPONENT	CAS. NO.	WT %	EXPOSURE LIMITS
Phosphoric Acid	7664-38-2	15.5	

3. EFFECTS OF OVEREXPOSURE:

EYE: May cause eye irritation after direct contact with material.
SKIN: May cause slight skin irritation after repeated contact.
INHALATION: Inhalation of vapor or mist may cause mild irritation of the respiratory tract.
ORAL: Very low toxicity by ingestion.

4. EMERGENCY FIRST AID

EYES: Flush eyes immediately with water for 15 minutes. Remove contact lenses. Hold eyelids apart during flushing to ensure rinsing of the entire surface of the eye and lids with water. If irritation develops or persists, call a doctor.
SKIN: Remove contaminated clothing. Wash with soap and water for 15 minutes. Wash any contaminated clothing or shoes before reuse. Call a doctor if irritation develops or persists.
INHALATION: Move to fresh air. If breathing becomes difficult, get medical help.
INGESTION: Give large amount of water to drink. Do not induce vomiting. Call a doctor immediately.

5. REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Avoid extreme heat and open flames.
POLYMERIZATION: Will not occur.
INCOMPATIBILITY: None currently known.

6. PHYSICAL PROPERTIES

APPEARANCE AND ODOR: Clear liquid, with slight odor.
BOILING POINT: >200° F
MELTING POINT: NA
VAPOR PRESSURE (mmg of Hg): NA
SPECIFIC GRAVITY: 1.306 (+/- .05)
VAPOR DENSITY (AIR=1): ND
% VOLATILE (BY WGT.%):
EVAPORATION RATE (Butyl A.) r=1): ND
SOLUBILITY IN WATER: Miscible

7. NFPA HAZARD RATING (National Fire Protection Association)

Fire 0			FIRE:	Materials that must be preheated before ignition can occur.
Health	2	0	Reactivity	HEALTH: Materials which on exposure could cause irritation but only minor residual injury even if no treatment is given.
	-			REACTIVITY: Materials which in themselves are normally stable, even under fire exposure conditions and which are not reactive with water.
	Special			

8. FIRE AND EXPLOSION HAZARD INFORMATION

FLASHPOINT:	>200° F
FLAMMABLE LIMITS:	Not considered a fire hazard.
EXTINGUISHING MEDIA:	This product is noncombustible. If involved in a fire, extinguishing agents suitable for surrounding materials should be used.
FIRE FIGHTING:	As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Use self-contained breathing apparatus with fighting any fire in an enclosed area.
UNUSUAL FIRE HAZARD:	Oxides of carbon and nitrogen are produced by the combustion of this product.

9. SPECIAL PRECAUTIONS

HANDLING AND STORAGE:	Keep out of reach of children. Avoid prolonged and /or repeated skin and eye contact when handling this product. Keep container closed and dry. Isolate from strong oxidizing agents. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies.
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10. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	None required for normal use. If use conditions generate vapors, aerosols or fumes, use a NIOSH-approved respirator.
VENTILATION:	Normal room ventilation (mechanical) should be satisfactory.
PROTECTIVE GLOVES:	Impervious.
EYE PROTECTION:	Wear goggles or a face shield.

11. SPILL OR LEAK PROCEDURES

SPILLS OR RELEASES:	CAUTION: Spills may be slippery. Material should be collected and disposed of in a proper manner. Dike area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.
WASTE DISPOSAL:	Do not contaminate water, food or feed by storage or disposal. Dispose of in an approved waste disposal facility in accordance with all Federal, State and Local Regulations.
CONTAINER DISPOSAL:	Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

12. REGULATORY INFORMATION

COMPOUNDS WHICH REQUIRE REPORTING UNDER SARA TITLE III

Sara regulated compounds	% Wt.	CAS NO.
Phosphoric Acid	15.5	7664-38-2

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

BRF Products

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