

# MATERIAL SAFETY DATA SHEET

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**PRODUCT NAME:** BFR Water-Guard

**MSDS NUMBER:**

**PRODUCT CODE:**

**MSDS DATE:** 09/25/2006

**KEY NUMBER:**

**EMERGENCY PHONE #'s:** CHEMTREC 800-424-9300

Britz Fertilizers Inc.  
P. O. Box 366  
Five Points, CA 93245  
Prepared by Tm Brown

**HEALTH**

**2**

**Hazardous**

**FIRE**

**0**

**Flash Point: Above 200°F, 93°C**

**REACTIVITY**

**0**

**Stable**

**SPECIFIC**

**-**

## 1. IDENTIFICATION

See Addendum:

Ref. PAGE:

**Chemical Name:**

**Chemical Family:** Phosphoric Acid, ammonium salts, and hydroxycarboxylic acid

**CAS #:**

**Chemical Formula:** Formulated Mixture

**CAS Name:**

**Molecular Weight:**

**Synonyms / Common Name:** Water Conditioner

**DOT Information:** Not regulated by the DOT.

## 2. PHYSICAL DATA

See Addendum:

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**Appearance:**

**Color:** Colorless, slight straw color

**State:** Liquid

**Odor Characteristics:** None

**pH:**

**Viscosity:**

**Specific Gravity (Water = 1):** 1.306 @ 68 F

**Vapor Density (Air = 1):** NA

**Vapor Pressure:** NA

**Melting Point:** NA

**Boiling Point:** 213 F

**Flash Point:** NA

**Freezing Point:** NA

**Percent Volatility:** NA

**Evaporation Rate (BAC = 1):** NA

**Solubility in Water:** Soluble in water

**Solubility in Oil:** Not soluble

**Solubility in Acetone:** NA

## 3. INGREDIENTS

See Addendum:

Ref. PAGE:

Material / Components	CAS #:	CAS Name	TLV Units	Approx. %
Phosphoric Hydroxycarboxylic acid & Ammonium Salts				50 %
Inert Ingredients				50 %

## 4. FIRE AND EXPLOSION HAZARD DATA

See Addendum:

Ref. PAGE:

**Flash Point:** >200 F

**Flammable Limits in Air % by volume:** Lower Upper Not determined. Not determined.

**Extinguishing Media:** Water fog, dry chemical and carbon dioxide extinguishing media.

**Special Fire Fighting Procedures:** Wear positive pressure self-contained breathing apparatus and full protective clothing. Avoid getting water from fire fighting into domestic or irrigation water supplies.

**Unusual Fire & Explosion Hazards:** Containers may rupture violently if overheated. After fire is controlled, do not handle containers until they returned to ambient temperatures.

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## 5. HEALTH HAZARD DATA

See Addendum:

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**Threshold Limit Value:**

**Effects of Overexposure:**

**Inhalation:** Will cause irritation of nasal passages and throat.

**Skin Contact:** Prolonged or repeated exposure may lead to rash

**Eye Contact:** May cause eye irritation, including tearing, smarting, and redness.

**Ingestion:** May cause vomiting and abdominal cramps

**Delayed Effects:** Symptoms of exposure include headache, nausea, weakness, and confusion.

**Medical Conditions  
Aggravated by Exposure**

## 6. FIRST AID MEASURES

See Addendum:

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**Inhalation:** Move to fresh air. If breathing becomes difficult, consult a physician.

**Skin Contact:** Wash skin thoroughly with soap and water. If irritation develops, consult a physician.

**Eye Contact:** Flush eyes with water for 15 minutes, holding eyelids open. If irritation develops, consult a physician.

**Ingestion:** Give plenty of water to drink. Do not induce vomiting. Obtain medical attention immediately.

**NOTES TO PHYSICIAN:** In the event of an adverse response, treatment should be directed toward control of the symptoms.

## 7. REACTIVITY DATA

See Addendum:

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**Stability:** Stable.

**Incompatibility:  
(materials to avoid)** Do not allow contact with oxidizing materials or Calcium materials

**Hazardous Combustion or  
Decomposition Products** Product may produce carbon dioxide and carbon monoxide under fire conditions.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** None currently known.

## 8. SPILL OR LEAK PROCEDURES

See Addendum:

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**Actions to take for  
Leaks & Spills** Dike and contain. If uncontaminated, reuse product. If contaminated, absorb spill with clay, sand, or sawdust. Place in a chemical waste container for proper disposal. Spill area will be quite slippery.

**Waste Disposal Method:** This material must be disposed of according to federal, state, and local procedures under the resource conservation and recovery act.

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**9. SPECIAL PROTECTION INFORMATION**

See Addendum: Ref. PAGE:

**Respiratory Protection:** None needed under normal conditions.

**Eye Protection:** Splash proof goggles.

**Skin Protection:** Impervious gloves.

**Other Clothing:** Impervious apron and footwear.

**Other Equipment:** Eye wash station.

**Engineering Controls:**

**10. HANDLING AND STORAGE**

See Addendum: Ref. PAGE:

**Special Precautions:** Keep out of reach of children. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams, or ponds.

**Other Precautions:** None currently known.

**11. REGULATORY INFORMATION**

See Addendum: Ref. PAGE:

**Workplace Classification:** Caution

**12. TOXICOLOGICAL INFORMATION**

See Addendum: Ref. PAGE:

**Acute Data:** Acute Oral toxicity LD50> 5000mg/kg

**Reproductive /  
Teratology Data** Not known

**13. ECOLOGICAL INFORMATION**

See Addendum: Ref. PAGE:

**Fate in the Environment:** Not Known

**14. DISPOSAL CONDITIONS**

See Addendum: Ref. PAGE:

**Procedures:** Dispose of unrecoverable material in accordance with Federal, State, and Local Regulations

**15. TRANSPORTATION INFORMATION**

See Addendum: Ref. PAGE:

**DOT Classification:** Not regulated by DOT.

**Warning Labels:**

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**ADDENDUM for Section -**

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