SAFETY DATA SHEET

BONUS CROP FERTILIZER, INC.
POST OFFICE BOX 1062
GREENVILLE, TEXAS 75403-1062
903-455-9439

In Case of Emergency, Call
Chem Trec 1-800-424-9300
Poison Control 1-800-222-1222

1. PRODUCT IDENTIFICATION

Product Name:	BCF Fertilizer Green Diamond/Gardenline (various grades) BCF Fertilizer Private Labels (various grades) BCF Golf Course and Turf Fertilizer (various grades) BCF Specialty and Grower Fertilizer (various grades)
EPA Reg. Number:	None
EPA Signal Word:	None
Chemical Name:	Granular Fertilizer
Shipping:	Not regulated by U. S. DOT for all modes of transportation within the U. S.

2. HAZARD IDENTIFICATION

Primary Routes of Entry: Inhalation, ingestion, skin or eye contact.

Signs and Symptoms of Over-Exposure:

Eye Contact:	Acute:	Mild, reversible irritation to the eye.	Chronic:	None reported.
Skin Contact:	Acute:	May cause mechanical irritation.	Chronic:	None reported.
Inhalation:	Acute:	Excessive inhalation of fertilizer dust may Irritate nose, throat and upper respiratory tract.	Chronic:	Excessive inhalation of crystalline silica (quartz) may cause lung injury.
Ingestion:	Acute:	May cause gastrointestinal irritation, including Nausea, vomiting, cramps and diarrhea.	Chronic:	None reported.

CAUTION

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry Number	OSHA PEL	ACGIH TLV	SARA 313 Reportable
Fertilizer Ingredients, as listed on the guaranteed analysis section of each label (varies by fertilizer analysis)	NA	None	None	No
Crystalline Silica (quartz)*	14808-60-7	0.1mg/m^3	0.1mg/m^3	No

*May be present as a naturally occurring mineral in the fertilizer ingredients used in this formulation. The respirable portion of crystalline silicia in this product is very small and excessive inhalation is unlikely under normal conditions of use.

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Inhalation:	Acute:	Excessive inhalation of fertilizer dust may Irritate nose, throat and upper respiratory tract.	Chronic:	Excessive inhalation of crystalline silica (quartz) may cause lung injury.
Ingestion:	Acute:	May cause gastrointestinal irritation, including Nausea, vomiting, cramps and diarrhea.	Chronic:	None reported.

5. FIRST AID MEASURES

Eye Contact: Hold eyelids open and flush with lots of water for 15 minutes. If irritation persists after flushing, get medical attention.

Skin Contact: Remove contaminated clothing and wash skin with soap and water. If irritation develops after washing, get medical attention.

Inhalation: Remove person to fresh air. If breathing stops, give artificial respiration and get medical attention.

Ingestion: Call a physician or poison control center. Give person 1-2 glasses of water to drink and induce vomiting by touching back of throat with finger. If Syrup of Ipecac is available, give 1 tablespoon (15 ml) followed by 1-2 glasses of water. If vomiting does not occur within 20 minutes, repeat dosage once. Never induce vomiting or give anything by mouth to an unconscious or convulsing person.

Medical Conditions Aggravated by exposure: Fertilizer may aggravate existing skin irritation or lesions, cuts or scrapes. Asthma or pulmonary disease may be aggravated by inhalation of dust.

Target Organs: Lungs.

Carcinogens: Crystalline silica (quartz) component is classified as a carcinogen by NTP and IARC.

6. FIRE FIGHTING MEASURES

Flash Point (°F):	Not Flammable	**Flash Point Method:**	Not Applicable
Auto Ignition Temp (°F):	Not Applicable	**Burning Rate:**	Not Applicable
Explosive Limits: Upper Limit (UEL):	Not Applicable	**Lower Limit (LEL):**	Not Applicable
Extinguishing Media:	Water, carbon dioxide, dry chemical or foam.		
Special Firefighting Procedures:	Fire fighters should wear full protective gear and self-contained breathing apparatus. Contain runoff to prevent pollution. Fumes and smoke from fire may be hazardous.		
Unusual Fire or Explosion Hazards:	None.		

7. ACCIDENTAL RELEASE MEASURES

Large spill and leak Procedures: Isolate and contain spill. Remove unauthorized persons from spill area. Do not walk through spilled materials. Wear suitable protective gear. Carefully sweep or scoop material and place in a closed, labeled container for use or disposal. Scrub contaminated surfaces with detergent and water, and collect wash water solution for proper disposal according to label directions. Do not allow spilled material to enter streams, sewers or other waters.

Small Spill or Leak Procedures: Wear protective clothing as recommended on label. Sweep up spilled material for use according to label directions.

Waste Disposal Methods: Consult state or local environmental agency for disposal of waste generated by a spill. Wastes from the use of this product according to label directions may be disposed as specified on product label.

8. HANDLING AND STORAGE

Handling Precautions: Wear appropriate protective gear when handling open containers. Do not take internally. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.

Storage Requirements: Store in a locked, dry area, away from feed or food, and out of the reach of children, pets and domestic animals. Keep containers tightly closed when not in use. Store in original container only. Do not remove or destroy product label. Dispose of empty containers as specified on product label.

9. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls – Ventilation: This product is designed for outdoor use only and ventilation is not normally required. Local exhaust may be necessary when handling this product in an enclosed area.

Administrative Controls: Follow all precautions and directions for use on product label.

Protective Clothing and Equipment: Wash thoroughly after handling and before eating, drinking, smoking or using the toilet.

Respiratory Protection: For normal handling and use, a respirator is not required. For excessively dusty conditions, use a dust mask approved by MSHA/NIOSH. See OSHA regulations in 29 CFR § 1910.134 before using any respirator or dust mask.

Eye Protection: Good safety practices suggest the use of goggles to prevent contact with eyes.

Hand Protection: Good safety practices suggest the use of rubber, leather or canvas gloves to prevent skin contact.

Skin Protection: Wear long-sleeved shirt and long trousers to reduce skin contact.

Contaminated Equipment: Launder contaminated clothing separately from street clothes. Clean contaminated boots/shoes and other equipment with detergent and water immediately after use.

Safety Stations: Clean water should be available to flush eyes and/or skin in case of accidental contact.

10. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Granular Solid	**Bulk Density:**	Not Established
pH:	Not Applicable	**Refractive Index:**	Not applicable
Boiling Point:	Not Applicable	**Freezing Point:**	Not applicable
Solubility in Water:	Partial	**Viscosity:**	Free-flowing granules
Vapor Pressure:	Not established	**Vapor Density:**	Not established
Percent Volatile:	Not established	**Evaporation Rate:**	Not established

Appearance and Odor: Multi-colored granules with a characteristic fertilizer odor.

11. STABILITY AND REACTIVITY

Stability: Stable

Chemical Incompatibilities: Strong Oxidizers

Conditions to Avoid: None – product is stable

Hazardous Decomposition Products: Thermal decomposition (burning) may produce CO, CO_2, NO_x, and sulphur compounds.

Hazardous Polymerization: Will not occur.

12. TOXICOLOGICAL INFORMATION

Exposure Limit: None established for this product.

Carcinogenicity Data: The ingredients of this product are not classified as carcinogenic.

Toxicological Data: None established for this product.

Reproductive Effects: None, Teratogenicity Effects – None, Synergistic Materials – None.

13. ECOLOGICAL INFORMATION

Ecotoxicity: This product is biodegradable.

Persistence/Degradation: Granular Fertilizer
Toxic To: Fish, aquatic life.

Other: Do not contaminate any body of water. Maybe toxic to aquatic life in high concentrations.

14. DISPOSAL CONSIDERATIONS

Waste Disposal Method (United States): Dispose according to USEPA guidelines as outlined in RCRA. Follow federal, state and municipal regulations. Be certain bags are completely empty before disposal. Properly collect and treat wastewater.

15. TRANSPORT INFORMATION

Shipping Information (DOT) (United States): Not regulated. Some components may be a listed chemical under TSCA. SEC 302 – NA, SEC 313 – NA, CERCLA – NA, CAA – NA.

16. REGULATORY INFORMATION

U. S. Federal, Regulatory Information: TSCA: NI
EPA SARA Title III: Section 311/312 Hazard Categories: NI. "No" in all five hazard categories as defined under SARA Title III criteria.
US State Regulatory Information: State Right-To-Know Listed (RTK) Hazardous Substance: NI

17. OTHER INFORMATION

NI means "not indicated".

Bonus Crop Fertilizer, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the Buyer's/User's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the Buyer's/User's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such manufacturer-specific (M)SDS, we are not and cannot be responsible for (M)SDS obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.