



## Reliant Granular Phite Fertilizer

## MATERIAL SAFETY DATA SHEET

### Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: Reliant Fertilizer

Manufacturer: Quest Products Corporation  
11712 230<sup>th</sup> Street  
Linwood KS 66052

Date of Preparation: 08/10/2012

Date of Revision: 09-01 2012

Emergency Telephone: 785-542-2577

CHEMTREC 1-800-424-9300

### Section 2: HAZARDOUS INGREDIENTS

CHEMICAL NAME/SYNONYM(S)	CAS NO.	ACGIH TLV	OSHA PEL
Calcined Montmorillonite Clay	70892-59-0	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Crystalline Silica (Quartz)	14808-60-7	0.1 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> /%SiO <sub>2</sub> +2
Crystalline Silica (Cristobalite)	14464-46-1	0.05 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> + %SiO <sub>2</sub> +2

**NOTE:** This product contains sand, clay and decomposed organic matter. The crystalline silica (quartz) content naturally varies depending on the composition of the soil. These materials are mined from the earth. Trace amounts of naturally occurring elements might be detected during chemical analysis of these materials.

**California Prop 65:** This product does contain ingredients, which are known to the state of California to cause cancer, birth defects, or other reproductive harm. Crystalline Silica (quartz) CAS # 14808-60-7 and Crystalline Silica (cristobalite) CAS # 14464-46-1.

**HAZARDS DISCLOSURE:** This product contains known hazardous materials as defined by OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under SARA 311 & 312, this product contains known hazardous materials.

### Section 3: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

**WARNING!!** Product dust may cause eye, skin and respiratory irritation. This product contains crystalline silica which is known to cause cancer, birth defects or other reproductive harm to humans when exposed to levels above permissible levels.

**NFPA: HEALTH: 1    REACTIVITY: 0    FLAMMABILITY: 0    ENVIRONMENT: 0**

(0=Insignificant    1= Slight    2=Moderate    3=High    4=Extreme)

*Potential Health Effects:*

*Inhalation:* This product may present an inhalation hazard with the creation of respirable dust.

*Ingestion:* Small quantities of this product do not present an ingestion hazard while large quantities can cause intestinal distress.

*Skin Contact:* Dust may be irritating to skin, dry skin or abrasions.

*Eye Contact:* Dust may cause irritation or inflammation.

*Chronic Exposure:* Risk of injury depends on duration and level of exposure. Prolonged or repeated inhalation of respirable crystalline silica at or above allowable occupational exposure limits may lead to the development of silicosis.

*Aggravation of Pre-existing conditions:* Pre-existing skin and respiratory problems.

*Carcinogenicity:* Crystalline silica is listed as a carcinogen by NTP, IARC or regulated by OSHA.

### Section 4: FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air if exposed to large amounts of dust. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

**Ingestion:** DO NOT INDUCE VOMITING> Seek medical attention or contact a poison control center immediately.

**Eyes:** Immediately flush eyes with plenty of running water for at least 15 minutes. Get immediate medical attention.

**Skin:** Wash thoroughly with soap and water. Get medical attention for rash or irritation.

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**Section 5: FIRE FIGHTING MEASURES:** Product is not flammable

**EXTINGUISHING MEDIA:** Use any means suitable for extinguishing surrounding fire.

**Special Fire Fighting Procedures:** Wear positive pressure, NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Avoid smoke inhalation. Fertilizer may become slippery when wet; walk with caution. Contain any liquid runoff; do not let liquid enter drains.

**Section 6: ACCIDENTAL RELEASE MEASURES**

If uncontaminated, product can be reused according to label directions. Avoid actions that cause dust to become airborne. Avoid inhalation of dust. Do not wash down sewers, draining systems or into bodies of water.

**Section 7: HANDLING & STORAGE**

Avoid skin, eye and clothing contact with product or product dust. Do not contaminate waters when disposing of equipment washwaters.

Store only in original container in cool, dry, well ventilated area. Do not store near food, feeds pesticides or other fertilizers..

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Airborne exposure limits:

Crystalline Silica (quartz) dust:

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Respirable fraction	5 mg.m <sup>3</sup> /% SiO <sub>2</sub> +2	0.1 mg/m <sup>3</sup>
	Crystalline Silica (cristobalite) dust	
Respirable fraction	5 mg.m <sup>3</sup> /% SiO <sub>2</sub> +2	0.05 mg/m <sup>3</sup>

**Eyes:** Safety glasses to prevent eye contact.

**Skin:** Impervious gloves and clothes.

**Respiratory:** Use NIOSH -approved dust respirator if dust is above permissible exposure levels

**Ventillation:** Always work in a well ventilated area..

**Section 9: PHYSICAL & CHEMICAL PROPERTIES**

Red to brown granule; earthy odor

Bulk density: 55 lbs/cuft

Solubility in Water: Soluble

**Section 10: STABILITY & REACTIVITY**

**Stability:** Stable under ordinary conditions of use & storage.

**Conditions to Avoid:** Extreme heat, strong bases, strong oxidizing agents.

**Incompatibility:** Unsaturated organic compounds, such as turpentine, vegetable oil and hydrofluoric acid.

**Hazardous Decomposition Products:** Burning may release oxides of phosphorus and/or ammonia

**Hazardous Polymerization:** Will Not Occur

**Section 11: TOXICOLOGICAL INFORMATION**

**Toxicity Data:** The product contains sand, clay and decomposed organic matter. The crystalline silica content varies.

**Cancer Lists:**

--NTP Carcinogen--

<b>Ingredient:</b>	<b>Known</b>	<b>Anticipated</b>	<b>IARC Category</b>
Crystalline Silica (quartz)	YES	YES	GROUP 1
Crystalline Silica (cristobalite)	YES	YES	GROUP 1

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### Section 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE & ENVIRONMENTAL TOXICITY : No data available.

### Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method(s): Do not reuse empty container. Do not contaminate any waters by discharge of waste effluents or equipment washwaters. Dispose of waste materials only in accordance with applicable federal, state and local laws and regulations.

### Section 14: TRANSPORTATION INFORMATION *DOT Shipping Information*

Proper Shipping Name: Not Regulated

### Section 15: REGULATORY INFORMATION

<u>Ingredient</u>	<u>SARA 302</u>		<u>SARA 313</u>		<u>CERCLA</u>	<u>RCRA</u>	<u>TSCA</u>
	<u>RQ</u>	<u>TPQ</u>	<u>List</u>	<u>Catalog</u>		<u>261.33</u>	<u>8 (d)</u>
Montmorillonite Clay	NO	NO	NO	NO	NO	NO	NO
Crystalline Silica (quartz)	NO	NO	NO	NO	NO	NO	NO
Crystalline Silica (Cristobalite)	NO	NO	NO	NO	NO	NO	NO

SARA Information:SARA TITLE III;SEC.311/312 HAZARD CATEGORIES

Immediate (Acute) Health: Yes

Sudden Release of Pressure: No

Delayed (Chronic) Health: Yes

Reactivity: No

Fire: No

**California Prop 65:** This product does contain ingredients, which are known to the state of California to cause cancer, birth defects, or other reproductive harm. Crystalline Silica (quartz) CAS # 14808-60-7 and Crystalline Silica (cristobalite) CAS # 14464-46-1.

The product or all its components are listed on the Inventory of Existing Chemical Substances under Toxic Substances Control Act (TSCA)

### Section 16: OTHER INFORMATION

Format follows ANSI-Z400.1-2004.

NA= Not Applicable      ND= Not Determined Reliant Fertilizer

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