

MATERIAL SAFETY DATA SHEET

Serenade Garden Disease Control Concentrate Date: October 14, 2004

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Product Name: Serenade Garden Disease Control Concentrate		Contact: AgraQuest, Inc. 1530 Drew Avenue, Davis, CA. 95616 Phone (Business hours): 530.750.0150 Fax: 530.750.0153 www.agraquest.com. info@agraquest.com For emergencies such as leaks or spills call CHEMTREC 24-hour toll-free hotline at 1-800-424-9300
Trade names/ Synonyms: Serenade ASO, QST 713 AS organic; QRD143AS EPA Registration Number: 69592-12 Primary Hazards: None known		
SECTION 1: MATERIAL IDENTIFICATION INGREDIENT 1 Common Name: QST 713 strain of <i>Bacillus subtilis</i> Chemical Name: Not applicable Molecular Formula: Not applicable CAS Number: Not applicable Percent: 1.34% nominal OTHER INGREDIENTS: inert, non-reactive		SECTION 5: HEALTH HAZARDS Primary Route of Entry: Oral, Eye Exposure Limit: Not established Corrosive: Not corrosive Skin/ Eye Irritation: May be irritating to skin and eyes for some individuals Effects of Overexposure: If product comes in contact with eyes or skin, irritation may occur Toxicity: None of the components of this product are listed as carcinogenic by NTP, IARC, or OSHA Acute studies: Acute Oral LD ₅₀ (Rat): >5,000 mg/kg (low toxicity) Acute Dermal LD ₅₀ (Rabbit): >5,000 mg/kg Acute Inhalation LC ₅₀ (Rat): >1.45 mg/L Primary Dermal Irritation: Slight Irritant Eye Irritation: Non-irritant
SECTION 2: PHYSICAL DATA Boiling Point: ≥ 100° C Melting Point: Not applicable Density: 1.0 to 1.3 gram/cc Solubility in Water: Dispersible in water Appearance: Aqueous dispersion Color: light to medium brown Odor: mild, sweet, earthy odor		SECTION 6: FIRST AID Emergency First Aid Procedures: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. If swallowed: Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
SECTION 3: FIRE AND EXPLOSION DATA Flash Point: Not flammable Method: Not applicable Extinguishing Media: Use extinguishing media appropriate for the surrounding fire Special Fire Fighting Procedures: None Unusual Fire and Explosion Hazards: None		
SECTION 4: REACTIVITY Stability: Material is non-reactive Hazardous Polymerization: Does not occur Incompatibility: None known Hazardous Decomposition Products: None known Conditions to avoid: None known		

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SECTION 7: SPILL, LEAK AND DISPOSAL PROCEDURES

Steps to be taken in case material is released or spilled:

Wear suitable protective clothing such as long-sleeved shirt, pants, waterproof gloves and shoes with socks. Carefully mop or sweep up spill and place in a closed container for disposal.

Waste disposal method: Dispose of in accordance with all applicable federal, state, and local environmental regulations.

For emergencies such as leaks or spills, call CHEMTREC 24-hour toll-free hotline at 1.800.424.9300.

SECTION 8: SPECIAL HANDLING

Respiratory: Use dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N, P, R or HE filter.

Protective gloves: Wear gloves made of Latex or other impervious material.

Eye protection: Safety goggles or safety glasses with side shields recommended.

Other protective clothes: Clothing to prevent prolonged skin contact as needed such as long-sleeved shirt, long pants and shoes with socks.

SECTION 9: SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing:

Store in a dry area inaccessible to children. Store in original containers only. Keep container closed when not in use.

Empty container completely, triple rinse (or equivalent) and dispose of in accordance with all applicable federal, state, and local environmental regulations.

Wash any contamination from skin or eyes immediately. Wash hands and exposed skin before eating, drinking, smoking after work or using the toilet.

SECTION 10: SHIPPING REGULATIONS

Proper shipping name: None
DOT Label (s) Required: None
Freight Classification: Insecticides, Fungicides N.O.I., Other Than Poisons. NMFC 102120 Class 60

SARA Title III Hazard Classification:
Immediate (acute) Health: No
Delayed (chronic) Health: No
Fire: No
Sudden Release of Pressure: No
Reactivity: No

National Fire Protection Association Rating:
Health: 0
Flammability: 0
Reactivity: 0

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