

MATERIAL SAFETY DATA SHEET

Serenade® Garden Disease Control Ready To Use Revision Date: December 19, 2003

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Product Name: Serenade® Garden Disease Control Ready To Use

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 For emergencies such as leaks or spills call CHEMTREC 24-hour toll-free hotline at 1-800-424-9300

Trade names/ Synonyms: Serenade Garden Ready To Use (RTU); QST 713 RTU; QRD144

EPA Registration Number: 69592-16

Primary Hazards: None known

SECTION 1: MATERIAL IDENTIFICATION

INGREDIENT 1

Common Name: QST 713 strain of *Bacillus subtilis*
Chemical Name: Not applicable
Molecular Formula: Not applicable
CAS Number: Not applicable
Percent: 0.074 % nominal

OTHER INGREDIENTS: inert, non-reactive

SECTION 2: PHYSICAL DATA

Boiling Point: ≥ 100° C
Melting Point: Not applicable
Density: 1.0 gram/cc
Solubility in Water: Dispersible in water
Appearance: Aqueous dispersion
Color: light to medium brown
Odor: mild, sweet, earthy odor

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

SECTION 5: HEALTH HAZARDS

Primary Route of Entry: Inhalation, Oral, Eye
Exposure Limit: Not established
Corrosive: Not corrosive
Inhalation: Harmful if inhaled
Skin Irritation: May be irritating to skin for some individuals
Effects of Overexposure: If product comes in contact with 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 LD₅₀ (Rat): >5,000 mg/kg (low toxicity)
Acute Dermal LD₅₀ (Rabbit): >5,000 mg/kg
Acute Inhalation LC₅₀ (Rat): >1.45 mg/L
Primary Dermal Irritation: Slight Irritant
Eye Irritation: Non-irritant

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SECTION 6: FIRST AID

Emergency First Aid Procedures:

- If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
- 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 with plenty of water for 15-20 minutes. Call a poison control center or doctor for further 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 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

No special handling required.

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.
- If the container is empty, do not reuse this container. Place in trash or offer for recycling if available.

SECTION 9: SPECIAL PRECAUTIONS (continued)

If the container is partly filled, call your local waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water.

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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