### SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>DELTADUST</th>
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<tbody>
<tr>
<td>Chemical Name</td>
<td>Synonym</td>
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<tr>
<td>Synonym</td>
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</tr>
<tr>
<td>MSDS Number</td>
<td>52</td>
</tr>
<tr>
<td>Chemical Family</td>
<td>Mixture</td>
</tr>
<tr>
<td>Chemical Formulation</td>
<td>Mixture</td>
</tr>
<tr>
<td>EPA Registration No.</td>
<td>432-772</td>
</tr>
<tr>
<td>Canadian Registrat. No.</td>
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</table>

Bayer Environmental Science  
95 Chestnut Ridge Road  
Montvale, NJ 07645  
USA

For Product Use Information: (800)331-2867 Monday through Friday  
8:00AM-4:30PM  
For Medical Emergency contact DART: (800) 334-7577 24 Hours/Day  
For Transportation Emergency CHEMTREC: (800) 424-9300 24 Hours/Day

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS No.</th>
<th>Concentration % by Weight</th>
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<tbody>
<tr>
<td></td>
<td>Minimum</td>
<td>Maximum</td>
</tr>
<tr>
<td>Deltamethrin</td>
<td>52918-63-5</td>
<td>0.0500</td>
</tr>
<tr>
<td>QUARTZ</td>
<td>14808-60-7</td>
<td>&gt;= 3.0000</td>
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<tr>
<td>Inert ingredients</td>
<td>&gt;= 96.9500</td>
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</table>
Material Safety Data Sheet

DELTADUST

SECTION 3. HAZARDS IDENTIFICATION

NOTE: Please refer to Section 11 for detailed toxicological information.

Emergency Overview

Caution. Keep out of the reach of children. Hazard to humans and domestic animals. May be harmful if absorbed through skin. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling. This product is extremely toxic to fish and aquatic invertebrates.

Physical State

solid powder

Odor

Very faint indeterminate to chalk-like odor

Appearance

white

Routes of Exposure

Skin contact.

Immediate Effects

Eye

Non-irritating.

Skin

May be harmful if absorbed through skin. May cause a transient, localized paresthesia, characterized by tingling, burning or numbness sensation in some individuals.

Chronic or Delayed

Long-Term

No known chronic effects.

SECTION 4. FIRST AID MEASURES

Skin

Wash with plenty of soap and water. Get medical attention immediately if irritation persists. Cold cream or a moisturizing cream has been successful in diminishing the sensations associated with localized paresthesia.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point

Not applicable

Suitable Extinguishing Media

carbon dioxide (CO2), dry chemical, foam, water

Fire Fighting Instructions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

General and Disposal

Sweep up or shovel into approved waste disposal container. Dispose of with chemical waste.
SECTION 7. HANDLING AND STORAGE

Handling Procedures
Avoid contact with skin, eyes and clothing.

Storing Procedures
Do not contaminate water, food, or feed by storage or disposal.

Work/Hygienic Procedures
Wash thoroughly with soap and water after handling.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection
safety glasses or goggles

Body Protection
Chemical-resistant gloves (Neoprene, Nitrile, PVC)

Exposure Limits

<table>
<thead>
<tr>
<th></th>
<th>NIOSH REL</th>
<th>US CA OEL TWA PEL</th>
<th>US CA OEL TWA PEL</th>
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<tbody>
<tr>
<td>QUARTZ 14808-60-7</td>
<td>Respirable dust. 0.05 mg/m3</td>
<td>Respirable dust. 0.1 mg/m3</td>
<td>Respirable dust. 0.1 mg/m3</td>
<td>Respirable dust. 0.3 mg/m3</td>
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<td>OSHA Z1A TWA</td>
<td>Form of Exposure Respirable dust.</td>
<td>Form of Exposure Respirable dust.</td>
<td>Form of Exposure Respirable dust.</td>
<td>Form of Exposure Respirable dust.</td>
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<tr>
<td>ACGIH TWA</td>
<td>Total dust. 0.05 mg/m3</td>
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</table>

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
white

Physical State
solid powder

Odor
Very faint indeterminate to chalk-like odor
Density
55.5 lbs/ft³ (fluffed)
105.4 lbs/ft³ (compacted)

SECTION 10. STABILITY AND REACTIVITY
Chemical Stability Stable
Hazardous Polymerization Will not occur (Conditions to avoid)

SECTION 11. TOXICOLOGICAL INFORMATION
Acute Oral Toxicity LD₅₀: > 5,050 mg/kg
Acute Dermal Toxicity LD₅₀: > 5,050 mg/kg
Acute Inhalation Toxicity LC₅₀: > 26.1 mg/l 4 h
LC₅₀: > 100 mg/l 1 h
Skin Irritation Slightly irritating
Eye Irritation Non-irritating.
Sensitization Negative

Assessment Carcinogenicity
ACGIH
QUARTZ 14808-60-7 Group A2
NTP
QUARTZ 14808-60-7
IARC Deltamethrin 52918-63-5 3
OSHA None

SECTION 12. ECOLOGICAL INFORMATION
Environmental Precautions This product is extremely toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Use with care when applying in areas adjacent to any body of water. Do not contaminate water when disposing of equipment washwaters.
 SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance
Pesticide Disposal: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal
Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

For Homeowners: Do not reuse empty container. Wrap container in several layers of newspaper and discard in trash.

RCRA Classification
Not Regulated under this Statute

 SECTION 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not DOT Regulated

 SECTION 15. REGULATORY INFORMATION

US Federal
EPA Registration No. 432-772
TSCA list QUARTZ 14808-60-7
TSCA 12b export notification None
SARA Title III - section 302 - notification and information None
SARA Title III - section 313 - toxic chemical release reporting None

US States Regulatory
CA Prop65
This product contains a chemical known to the state of California to cause cancer. QUARTZ 14808-60-7

US State right-to-know ingredients
QUARTZ 14808-60-7 IL, MA, MN, PA

Canadian Regulations
Canadian Registrat. No.
Canadian Domestic Substance List QUARTZ 14808-60-7
Environmental

CERCLA
None

Clean Water Section 307 Priority Pollutants
None

Safe Drinking Water Act Maximum Contaminant Levels
None

International Regulations

EU Classification
Deltamethrin 52918-63-5 Toxic Dangerous for the environment Also toxic by inhalation and if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R Phrases

S Phrases Keep locked-up and out of the reach of children. Avoid contact with the skin. After contact with skin, wash immediately with plenty of water. Wear suitable protective clothing, gloves and eye/face protection. In case of insufficient ventilation, wear suitable respiratory equipment. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheets.

European Inventory of Existing Commercial Substances (EINECS)
Deltamethrin 52918-63-5
QUARTZ 14808-60-7

SECTION 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Others</th>
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<tbody>
<tr>
<td>HMIS</td>
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<tr>
<td>NFPA</td>
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REVISED SECTIONS:
MSDS REVISION INDICATOR: Company name change.

Print Date: 12/04/2002
Supersedes MSDS, which is older than: 12/04/2002

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