DELTADUST Insecticide

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>DELTADUST Insecticide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Name</td>
<td></td>
</tr>
<tr>
<td>Synonym</td>
<td></td>
</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>
</tbody>
</table>

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

Bayer Environmental Science
2 T.W. Alexander Drive
Research Triangle PK, NC  27709
USA

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS No.</th>
<th>Concentration % by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deltamethrin</td>
<td>52918-63-5</td>
<td>0.0500</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)</td>
<td>14808-60-7</td>
<td>3.0000</td>
</tr>
</tbody>
</table>

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview
Caution! Keep out of the reach of children. Hazards 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
Material Safety Data Sheet

DELTADUST Insecticide

Routes of Exposure
Skin contact.

Immediate Effects
Eye
Non-irritating.

Skin
May be harmful if absorbed through skin. May cause a transient, localized paraesthesia, 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>Material</th>
<th>NIOSH REL</th>
<th>OSHA Z1A TWA</th>
<th>US CA OEL TWA PEL</th>
<th>US CA OEL TWA PEL</th>
<th>ACGIH TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica (Quartz)</td>
<td>0.05 mg/m³</td>
<td>0.1 mg/m³</td>
<td>0.1 mg/m³</td>
<td>0.3 mg/m³</td>
<td>0.05 mg/m³</td>
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance  
White

Physical State  
Solid powder

Odor  
Very faint indeterminate to chalk-like odor
Material Safety Data Sheet

DELTADUST Insecticide

Density
55.5 lbs/ft³ (fluffed)
105.4 lbs/ft³ (compacted)

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability
Stable

Hazardous Polymerization (Conditions to avoid)
Will not occur

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
Crystalline Silica (Quartz) 14808-60-7 Group A2

NTP
Crystalline Silica (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 Regulations
EPA Registration No.
432-772
TSCA list
Crystalline Silica (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 Reporting
CA Prop65
This product contains a chemical known to the state of California to cause cancer.

Crystalline Silica (Quartz) 14808-60-7

US State right-to-know ingredients
Crystalline Silica (Quartz) 14808-60-7 IL, MA, MN, PA

Canadian Regulations
Canadian Registrat. No.

Canadian Domestic Substance List
Crystalline Silica (Quartz) 14808-60-7
Material Safety Data Sheet

DELTADUST Insecticide

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.

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
Crystalline Silica (Quartz) 14808-60-7

SECTION 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Others</th>
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<tbody>
<tr>
<td>NFPA</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>A</td>
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Reason for revision:
Update name to match label; change components; remove HMIS ratings.

Print Date: 09/15/2003
Supersedes MSDS, which is older than: 09/15/2003

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