



DELTADUST Insecticide

MSDS Version 2.4

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name DELTADUST Insecticide
Chemical Name
Synonym
MSDS Number 52
Chemical Family Mixture
Chemical Formulation Mixture
EPA Registration No. 432-772
Canadian Registrat. No.

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

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

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
Deltamethrin	52918-63-5	0.0500	
Crystalline Silica (Quartz)	14808-60-7	3.0000	

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

MSDS Number: 000000000052
MSDS Version 2.4

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 parasthesia, 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.
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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.
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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. Store in original container. Keep in a locked storage area. Keep in a dry, cool place. Keep out of the reach of children.
Work/Hygienic Procedures	Wash thoroughly with soap and water after handling.

Material Safety Data Sheet

DELTADUST Insecticide

MSDS Number: 000000000052

MSDS Version 2.4

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection Safety glasses or Goggles

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

Exposure Limits

Crystalline Silica (Quartz)	14808-60-7	NIOSH	REL		0.05 mg/m3
		Form of Exposure	Respirable dust.		
		OSHA Z1A TWA			0.1 mg/m3
		Form of Exposure	Respirable dust.		
		US CA OEL TWA PEL			0.1 mg/m3
		Form of Exposure	Respirable dust.		
		US CA OEL TWA PEL			0.3 mg/m3
		Form of Exposure	Total dust.		
		ACGIH TWA			0.05 mg/m3

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance White

Physical State Solid powder

Odor Very faint indeterminate to chalk-like odor

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DELTADUST Insecticide

MSDS Number: 000000000052
MSDS Version 2.4

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.

Material Safety Data Sheet

DELTADUST Insecticide

MSDS Number: 000000000052
MSDS Version 2.4

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
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US State right-to-know ingredients

Crystalline Silica (Quartz)	14808-60-7	IL, MA, MN, PA
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Canadian Regulations

Canadian Registrat. No.	
Canadian Domestic Substance List	
Crystalline Silica (Quartz)	14808-60-7

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DELTADUST Insecticide

MSDS Number: 00000000052
MSDS Version 2.4

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

R Phrases

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

NFPA	Health	Flammability	Reactivity	Others
	1	0	0	A

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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