DELTADUST

MSDS Version 2.3

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

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

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

Component Name	CAS No.	Concentration % by Weight Minimum	Maximum
Deltamethrin	52918-63-5	0.0500	
QUARTZ	14808-60-7	>= 3.0000	
Inert ingredients		>= 96.9500	

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 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.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point	Not applicable
Suitable Extinguishing Media	carbon dioxide (CO_2), 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.

Store in original container. Keep in a locked storage area. Keep in a dry, cool place. Keep out of reach of children.

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

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

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		
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
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
QUARTZ	14808-60-7

SECTION 16. OTHER INFORMATION

	Health	Flammability	Reactivity	Others
HMIS	1	0	0	
NFPA	1	0	0	A

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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