

**SUSPEND® SC INSECTICIDE**

MSDS Version 1.2

**SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

**Product Name** SUSPEND® SC INSECTICIDE  
**Chemical Name**  
**Synonym**  
**MSDS Number** 205  
**Chemical Family** Mixture  
**Chemical Formulation** Mixture  
**EPA Registration No.** 432-763  
**Canadian Registrat. No.**

Bayer Environmental Science  
 95 Chestnut Ridge Road  
 Montvale, NJ 07645  
 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	4.7500	
	Inert ingredients		95.2500	

**SECTION 3. HAZARDS IDENTIFICATION**

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

**Emergency Overview** Caution. Keep out of the reach of children. Harmful if inhaled. Contact with product may result in transient tingling and reddening of the skin. This product is extremely toxic to fresh water and estuarine fish and invertebrates.

**Physical State** liquid  
**Odor** odorless  
**Appearance** white

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<b>Routes of Exposure</b>	Inhalation.
<b>Immediate Effects</b>	
<b>Eye</b>	May cause slight irritation.
<b>Skin</b>	Contact with product may result in transient tingling and reddening of the skin.
<b>Inhalation</b>	Harmful if inhaled.
<b>Signs and Symptoms</b>	Acute overexposure may result in respiratory irritation and transient paresthesia. Chronic overexposure produced pale kidneys and discoloration of the lungs in rats.

### SECTION 4. FIRST AID MEASURES

<b>Inhalation</b>	Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.
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### SECTION 5. FIRE FIGHTING MEASURES

<b>Flash Point</b>	> 93 °C / > 199 °F
<b>Suitable Extinguishing Media</b>	carbon dioxide (CO <sub>2</sub> ), dry chemical, foam, water
<b>Fire Fighting Instructions</b>	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

<b>General and Disposal</b>	Soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.
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### SECTION 7. HANDLING AND STORAGE

<b>Handling Procedures</b>	Avoid breathing vapors and spray mist.
<b>Storing Procedures</b>	Do not contaminate water, food, or feed by storage or disposal.  Mix as needed. Store in original container in a secured, dry storage area. Avoid exposure to extreme temperatures. Prevent cross-contamination with other pesticides and fertilizers.
<b>Work/Hygienic Procedures</b>	Wash with soap and water after handling. Remove and wash contaminated clothing before re-use.

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Eye/Face Protection</b>	safety glasses or goggles
<b>Body Protection</b>	Long-sleeved shirt and long pants impervious gloves
<b>Exposure Limits</b>	None Established

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	white
<b>Physical State</b>	liquid
<b>Odor</b>	odorless
<b>pH</b>	6.6 in suspension
<b>Specific Gravity</b>	1.05 at 20 °C
<b>Solubility (in water)</b>	Suspends

### SECTION 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable
<b>Conditions to Avoid</b>	Keep away from sources of ignition.
<b>Incompatibility</b>	strong reducing agents strong oxidizing agents
<b>Hazardous Products of Decomposition</b>	Decomposition Type: thermal carbon dioxide (CO <sub>2</sub> ) carbon monoxide

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**Hazardous Polymerization  
(Conditions to avoid)** Will not occur

### SECTION 11. TOXICOLOGICAL INFORMATION

**Acute Oral Toxicity** Rat: LD50: > 15,000 mg/kg

**Acute Dermal Toxicity** Rabbit: LD50: > 10,000 mg/kg

**Acute Inhalation Toxicity** Rat: LC50: > 1.02 mg/l 4 h  
Rat: LC50: > 4.08 mg/l 1 h for DOT purposes

**Skin Irritation** Rabbit: Slightly irritating

**Eye Irritation** Rabbit: Very slightly irritating.

**Sensitization** Guinea pig: Negative

**Chronic Toxicity** Deltamethrin technical is not carcinogenic based on animal studies.

#### Assessment Carcinogenicity

**ACGIH**

None

**NTP**

None

**IARC**

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**OSHA**

None

**Reproductive & Developmental Toxicity** Deltamethrin is not considered to be a reproductive toxin based on animal studies.

**Teratogenicity** Deltamethrin is not considered to be teratogenic based on animal studies.

### SECTION 12. ECOLOGICAL INFORMATION

**Environmental Precautions** This product is extremely toxic to fresh water and estuarine fish and 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.

This product is highly toxic to bees exposed to direct treatment or residues

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remaining on the treated areas. Do not apply this product or allow drift when bees are actively visiting the treatment area. Do not apply it or allow it to drift to crops or weeds on which bees are actively foraging.

### 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** Container One Gallon and Smaller: Wrap container in several layers of newspaper and discard in trash.

Non-refillable Container: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

Refillable Container: Replace the dry disconnect cap if applicable, and seal all openings which have been opened during use. Return empty container to a collection site designated by Bayer. If container has been damaged and cannot be returned according to the recommended procedures, contact Bayer to obtain proper handling instructions.

**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.** 432-763

**TSCA list**

None

**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 does not contain any substances known to the State of California to cause cancer.

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This product does not contain any substances known to the State of California to cause reproductive harm.

### US State right-to-know ingredients

None

### Canadian Regulations

Canadian Registrat. No.

Canadian Domestic Substance List

None

### Environmental

CERCLA

None

Clean Water Section 307 Priority Pollutants

None

Safe Drinking Water Act Maximum Contaminant Levels

None

### International Regulations

EU Classification

Deltamethrin

R Phrases

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

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### SECTION 16. OTHER INFORMATION

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

#### REVISED SECTIONS:

MSDS REVISION INDICATOR: Company name change.

Print Date: 12/09/2002

Supersedes MSDS, which is older than: 12/09/2002

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