



Material Safety Data Sheet
SUSPEND® SC INSECTICIDE

MSDS Number: 102000003167
 MSDS Version 2.2
 Revision Date: 01/29/2007

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name SUSPEND® SC INSECTICIDE
MSDS Number 102000003167
EPA Registration No. 432-763

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

For MEDICAL, TRANSPORTATION or other EMERGENCY call: 1-800-334-7577 (24 hours/day)
 For Product Information call: 1-800-331-2867

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Hazardous Component Name</u> | <u>CAS-No.</u> | <u>Average % by Weight</u> |
|---------------------------------|----------------|----------------------------|
| Deltamethrin | 52918-63-5 | 4.75 |
| 1,2-Propanediol | 57-55-6 | 15.20 |

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview Caution! Hazard to humans and domestic animals. Harmful if inhaled. Do not breathe vapours or spray mist. Contact with product may result in transient tingling and reddening of the skin. Remove and wash contaminated clothing before re-use.

Physical State liquid suspension

Odor none

Appearance white

Routes of Exposure Inhalation, Skin contact

Immediate Effects

Skin Contact with product may result in transient tingling and reddening of the skin.

Inhalation Harmful if inhaled. Do not breathe vapours or spray mist.



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 MSDS Version 2.2

- Personal Precautions** Keep unauthorized people away. Avoid contact with spilled product or contaminated surfaces. In case of spill, leak or emergency, use a NIOSH approved chemical cartridge-type respirator.
- Methods for Cleaning Up** Dike area to prevent runoff. Collect and transfer the product into a properly labelled and tightly closed container. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Decontaminate tools and equipment following cleanup.
- Additional Advice** Isolate area. Contaminated soil may have to be removed and disposed.

SECTION 7. HANDLING AND STORAGE

- Handling Procedures** Avoid contact with skin, eyes and clothing. Handle and open container in a manner as to prevent spillage. Smoking, eating and drinking should be prohibited in the application area.
- Storing Procedures** Store in original container. Do not contaminate water, food, or feed by storage or disposal. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed.
- Work/Hygienic Procedures** Handle in accordance with good industrial hygiene and safety practice. Recommendations for exposure control/personal protection are intended for the manufacture, formulation and packaging of the product.
- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Remove and wash contaminated clothing before re-use.
- Min/Max Storage Temperatures** no data available

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- General Protection** Train employees in safe use of the product. Eye wash facility and safety shower should be available. Follow all label instructions.
- Engineering Controls** Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation.
- Eye/Face Protection** Chemical resistant goggles must be worn.
- Hand Protection** Chemical-resistant gloves made of waterproof material such as neoprene, butyl rubber, barrier laminate or nitrile rubber.
- Respiratory Protection** When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the



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MSDS Version 2.2

strong reducing agents

Hazardous Decomposition Products Thermal decomposition can lead to release of:
Carbon monoxide
Carbon dioxide (CO₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Only acute toxicity studies have been conducted on this product as formulated. The non-acute information pertains to the active ingredient, deltamethrin technical.

Acute Oral Toxicity male/female combined rat: LD50: > 15,000 mg/kg

Acute Dermal Toxicity male/female combined rabbit: LD50: > 10,000 mg/kg

Acute Inhalation Toxicity male/female combined rat: LC50: > 1.02 mg/l
Exposure time: 4 h
Determined in the form of a respirable aerosol.
(actual)

male/female combined rat: > 4.08 mg/l
Exposure time: 1 h
Determined in the form of a respirable aerosol.
Extrapolated from the 4 hr LC50.
(actual)

Skin Irritation rabbit: No skin irritation.

Eye Irritation rabbit: No eye irritation.

Sensitization guinea pig: Non-sensitizing.

Chronic Toxicity Deltamethrin caused neurobehavioral effects (e.g., tremors) in chronic toxicity studies in rats and dogs.

Assessment Carcinogenicity

Deltamethrin was not carcinogenic in lifetime feeding studies in rats and mice.

ACGIH

None.

NTP

None.

IARC

Deltamethrin

52918-63-5

Overall evaluation: 3

OSHA

None.

Reproductive & Developmental Toxicity REPRODUCTION: Deltamethrin was not a reproductive toxicant in multi-generation reproduction studies in rats.



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MSDS Version 2.2

Environmental Precautions Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. For guidance, contact your State Water Board or Regional Office of the EPA. Retain and dispose of contaminated wash water.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance Do not contaminate water, food, or feed by disposal. Dispose in accordance with all local, state/provincial and federal regulations.

Follow advice on product label and/or leaflet. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal Triple rinse containers. Puncture container to avoid re-use. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State/Provincial and local authorities, by burning. If burned, stay out of smoke.

SECTION 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not DOT regulated
NOTE: For transport purposes (49 CFR Part 173.132), the calculated 1-Hour LC50 (Rat) is: 4.08 mg/l.

SECTION 15. REGULATORY INFORMATION

EPA Registration No. 432-763

US Federal Regulations

TSCA list

1,2-Propanediol 57-55-6

US Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

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

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