# USED BY SALT CITY PEST CONTROL- POR FLEAD @ HYDE 711769

# Bayer Environmental Science



### **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** 

. 1. .

SUSPEND® SC INSECTICIDE

**MSDS Number** 

102000003167

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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

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

#### atti pli venden prijesta digi sta da rikstoria kana njerikala konsulti i krima i Zasina kalinda. **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.

**Potential Environmental** 

all manufactures and the control of the

Effect

Extremely toxic to fish and aquatic invertebrates.

#### **SECTION 4. FIRST AID MEASURES**



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General

When possible, have the product container or label with you when calling a

poison control center or doctor or going for treatment.

Eve

Hold eye open and rinse slowly and gently with water for 15-20 minutes.

Remove contact lenses, if present, after the first 5 minutes, then continue rinsing

eye. Call a physician or poison control center immediately.

Skin

Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control

center immediately.

Ingestion

Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by

a physician or poison control center. Never give anything by mouth to an

unconscious person. Do not leave victim unattended.

Inhalation

Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or

poison control center immediately.

Notes to Physician

Treatment

There is no specific antidote. Appropriate supportive and symptomatic treatment

as indicated by the patient's condition is recommended.

#### SECTION 5. FIRE FIGHTING MEASURES

Flash point

not applicable

Suitable Extinguishing

Media

Carbon dioxide (CO2), Dry chemical, Foam, Water

Fire Fighting Instructions

Fight fire from upwind position. Evacuate personnel to safe areas. Cool closed containers/ tanks exposed to fire with water spray. Do not allow run-off from fire

fighting to enter drains or water courses.

Firefighters should wear NIOSH approved self-contained breathing apparatus

and full protective clothing.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

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.



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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.	HANDL	ING 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 appropriate regulatory standards and/or industry recommendations.

**Exposure Limits** 



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Pyrogenic (fumed) amorphous silica

112945-52-5 Z3

TWA

20 millions of particles per

cubic foot of air

0.8 mg/m3

TWA Remarks

The value is calculated from

a specified equation using a value of 100%. Values lower than 100% will give higher exposure limits. See regulation for specific

equation.

1,2-Propanediol

57-55-6

WEEL

Z3

TWA

10 mg/m3

Form of exposure

Aerosol.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** 

white

**Physical State** 

liquid suspension

Odor

none

pН

6.6 suspension in water

<= 7.0 (100 %) at 20 °C

Specific Gravity

1.05 at 20 °C

Density

approx. 1.053 g/cm3 at 20 °C

**Boiling Point** 

no data available

Melting / Freezing Point

no data available

Water solubility

immiscible

Minimum Ignition Energy

no data available

Viscosity

165 mPa.s at 20 °C

#### SECTION 10. STABILITY AND REACTIVITY

**Chemical Stability** 

Stable under normal conditions.

Incompatibility

Strong oxidizing agents strong reducing agents

Hazardous

Thermal decomposition can lead to release of:

**Decomposition Products** 

Carbon monoxide



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Carbon dioxide (CO2)

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

Only acute toxicity studies have been conducted on this product as formulated. The non-acute information pertaines 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.

DEVELOPMENTAL TOXICITY: Deltamethrin was not a primary developmental toxicant in developmental toxicity studies in rats and rabbits. Developmental effects (e.g., delayed ossifications) were observed in rabbits at the high-dose but



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were considered secondary to maternal toxicity.

Neurotoxicity

Deltamethrin caused neurobehavioral effects (e.g., tremors) without correlating neuropathological changes in acute and subchronic neurotoxicity screening

studies in rats.

Mutagenicity

Deltamethrin was not mutagenic or genotoxic in a battery of in vitro and in vivo

tests

#### **SECTION 12. ECOLOGICAL INFORMATION**

Toxicity to Fish

Oncorhynchus mykiss (rainbow trout)

LC50: 0.00026 mg/l Exposure time: 96 h

Bluegill sunfish LC50: 0.00017 mg/l Exposure time: 96 h

Acute Toxicity to Aquatic

Invertebrates

Eastern Oyster LC50: 0.0082 mg/l Exposure time: 96 h

Mysidopsis bahia (mysid shrimp)

LC50: 0.000001 mg/l Exposure time: 96 h

Toxicity to other organisms

Bobwhite quail

LD50: > 2,250 mg/kg

Bobwhite quail

LC50: > 5,620 ppm

Mallard duck LC50: 8,039 ppm

Stability in water

Half life: 55 - 65 h

pH: 9.0

Bioaccumulation

Bluegill sunfish BCF: 189 - 3,930

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.



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#### 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**

#### 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.

#### US State Right-To-Know Ingredients

1,2-Propanediol

57-55-6

MN, RI

#### Canadian Regulations

Canadian Domestic Substance List

1,2-Propanediol

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**CERCLA** 

None.

Clean Water Section 307 Priority Pollutants

Safe Drinking Water Act Maximum Contaminant Levels

None.

International Regulations

**European Inventory of Existing Commercial Substances (EINECS)** 

Deltamethrin

52918-63-5

1,2-Propanediol

57-55-6

#### **SECTION 16. OTHER INFORMATION**

NFPA 704 (National Fire Protection Association):

Health - 1

Flammability - 0

Reactivity - 0

Others - none

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Reason to Revise: Updated for general editorial purposes.

Revision Date: 01/29/2007

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