



Material Safety Data Sheet

BAYER ADVANCED CARPENTER ANT & TERMITE KILLER PLUS READY-TO-USE

MSDS Number: 102000011813
 MSDS Version 2.0
 Revision Date: 01/22/2007

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name BAYER ADVANCED CARPENTER ANT & TERMITE KILLER PLUS READY-TO-USE
MSDS Number 102000011813
EPA Registration No. 73049-185-72155

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	0.02

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview Caution! Contact with product may result in transient tingling and reddening of the skin. May cause eye irritation. May cause skin irritation. Avoid contact with skin, eyes and clothing.

Physical State liquid slightly viscous

Appearance opaque

Routes of Exposure Ingestion, Eye contact, Skin contact

Immediate Effects

Eye May cause eye irritation. Avoid contact with eyes.

Skin May cause skin irritation. Contact with product may result in transient tingling and reddening of the skin. Avoid contact with skin and clothing.

Ingestion May cause irritation. Do not take internally.

Inhalation Inhalation not likely. Inhalation may cause irritation of nasal passages.

Chronic or Delayed Long-Term This product or its components may have long term (chronic) health effects.



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Potential Environmental Effect Highly toxic to bees. Extremely toxic to fish and aquatic invertebrates.

SECTION 4. FIRST AID MEASURES

General	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
Eye	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 Hazards	This product contains a pyrethroid.
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	73.3 °C / 163.9 °F
Fire Fighting Instructions	<p>Keep out of smoke. Fight fire from upwind position. Avoid contact with spilled product or contaminated surfaces. Move containers from fire area if without risk. Cool containers / tanks with water spray. Dike area to prevent runoff and contamination of water sources.</p> <p>Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing. In the event of fire and/or explosion do not breathe fumes.</p>



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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions** Isolate hazard area. Keep unauthorized people away. Avoid contact with spilled product or contaminated surfaces.
- Methods for Cleaning Up** Take up with absorbent material (e.g. sand, diatomaceous earth or a proprietary absorbent material). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.
- Additional Advice** Use personal protective equipment.

SECTION 7. HANDLING AND STORAGE

- Handling Procedures** Handle and open container in a manner as to prevent spillage. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.
- Storing Procedures** Keep tightly closed in a dry and cool place. Store in original container and out of the reach of children, preferably in a locked storage area.
- Do not freeze.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- General Protection** There are no known hazards associated with this product when used according to the label directions. The following guidelines should be followed.
- Avoid inhalation of vapour or mist. Avoid contact with skin and eyes.
- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.
- Do not allow children or pets to enter the treated area until it has dried.
- Engineering Controls** Use only in well-ventilated areas.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** opaque
- Physical State** liquid slightly viscous



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pH	5 - 6 (100 %)
Density	0.993 g/cm ³ at 20 °C
Water solubility	soluble
Viscosity	300 - 500 mPa.s

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Hazardous Decomposition Products	Thermal decomposition Carbon dioxide (CO ₂) Carbon monoxide
Hazardous Reactions	No hazardous reactions known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity studies have been bridged from a similar formulation containing a similar percentage of the active ingredient, deltamethrin. The non-acute information pertains to technical-grade deltamethrin.

Acute Oral Toxicity	rat: > 5,050 mg/kg
Acute Dermal Toxicity	rat: > 5,050 mg/kg
Acute Inhalation Toxicity	rat: > 3.10 mg/kg
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



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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 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

**Environmental
Precautions**

Do not apply directly to water. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Apply this product as specified on the label. Do not allow to get into surface water, drains and ground water.

SECTION 13. DISPOSAL CONSIDERATIONS

**General Disposal
Guidance**

It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines. Never place unused product down any indoor or outdoor drain.

Container Disposal

Do not re-use empty containers. Place empty container in trash.

SECTION 14. TRANSPORT INFORMATION

DOT CLASSIFICATION:
Not regulated for Domestic Surface Transportation

FREIGHT CLASSIFICATION:
Insecticides or Fungicides, N.O.I.; other than poison



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SECTION 15. REGULATORY INFORMATION

EPA Registration No. 73049-185-72155

US Federal Regulations

TSCA list

None.

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

None.

Canadian Regulations

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

European Inventory of Existing Commercial Substances (EINECS)

Deltamethrin 52918-63-5

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



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Reason to Revise: Updated for general editorial purposes. Updated due to new system and numbering scheme.

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