

**BIOADVANCED SCIENCE-BASED  
SOLUTIONS CARPENTER ANT & TERMITE  
KILLER PLUS\* READY-TO-USE**

Version 1.0 / USA  
102000011813

**1/10**

Revision Date: 05/01/2017

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**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE  
COMPANY/UNDERTAKING**

**Product identifier**

**Trade name** BIOADVANCED SCIENCE-BASED SOLUTIONS CARPENTER  
ANT & TERMITE KILLER PLUS\* READY-TO-USE

**Product code (UVP)** 06407463

**SDS Number** 102000011813

**EPA Registration No.** 92564-58

**Relevant identified uses of the substance or mixture and uses advised against**

**Use** Insecticide

**Restrictions on use** See product label for restrictions.

**Information on manufacturer**

SBM Life Science Corp.  
1001 Winstead, Ste 500  
Cary, NC 27513  
United States

**Emergency Telephone  
Number (24hr/ 7 days)** 1-800-587-2654 (24 hours/day)

**Product Information  
Telephone Number** 1-800-331-2867

**SDS Information or Request** [SDS@corp.sbm-company.com](mailto:SDS@corp.sbm-company.com)

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**SECTION 2: HAZARDS IDENTIFICATION**

**Classification in accordance with regulation HCS 29CFR §1910.1200**

Acute toxicity (Inhalation): Category 4



**Signal word:** Warning

**Hazard statements**

Harmful if inhaled.

**Precautionary statements**

Avoid breathing mist and spray.

Use only outdoors or in a well-ventilated area.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor/physician if you feel unwell.

**BIOADVANCED SCIENCE-BASED  
SOLUTIONS CARPENTER ANT & TERMITE  
KILLER PLUS\* READY-TO-USE**

Version 1.0 / USA  
102000011813

**2/10**

Revision Date: 05/01/2017

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**Other hazards**

No other hazards known.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

| <b>Hazardous Component Name</b> | <b>CAS-No.</b> | <b>Average % by Weight</b> |
|---------------------------------|----------------|----------------------------|
| Deltamethrin                    | 52918-63-5     | 0.02                       |

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**SECTION 4: FIRST AID MEASURES**

**Description of first aid measures**

**General advice**

When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

**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.

**Skin contact**

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.

**Eye contact**

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.

**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.

**Most important symptoms and effects, both acute and delayed**

**Symptoms**

To date no symptoms are known.

**Indication of any immediate medical attention and special treatment needed**

**Risks**

This product contains a pyrethroid.

**Treatment**

Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

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**BIOADVANCED SCIENCE-BASED  
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KILLER PLUS\* READY-TO-USE**

Version 1.0 / USA  
102000011813

**3/10**  
Revision Date: 05/01/2017

---

**SECTION 5: FIREFIGHTING MEASURES**

**Extinguishing media**

**Suitable** Water, Foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical

**Unsuitable** None known.

**Special hazards arising from the substance or mixture** Dangerous gases are evolved in the event of a fire.

**Advice for firefighters**

**Special protective equipment for fire-fighters** 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.

**Further information**

Keep out of smoke. Fight fire from upwind position. Avoid contact with spilled product or contaminated surfaces. Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Do not allow run-off from fire fighting to enter drains or water courses.

**Flash point** > 93.3 °C  
**Autoignition temperature** no data available  
**Lower explosion limit** no data available  
**Upper explosion limit** no data available  
**Explosivity** not applicable

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Precautions** Isolate hazard area. Keep unauthorized people away. Avoid contact with spilled product or contaminated surfaces.

**Methods and materials for containment and cleaning up**

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). 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. Do not allow to enter soil, waterways or waste water canal.

**Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

**BIOADVANCED SCIENCE-BASED  
SOLUTIONS CARPENTER ANT & TERMITE  
KILLER PLUS\* READY-TO-USE**

Version 1.0 / USA  
102000011813

**4/10**  
Revision Date: 05/01/2017

---

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## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle and open container in a manner as to prevent spillage. Use only in area provided with appropriate exhaust ventilation.

**Hygiene measures** Remove Personal Protective Equipment (PPE) immediately after handling this product. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

### Conditions for safe storage, including any incompatibilities

**Requirements for storage areas and containers** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from freezing. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using. Protect from freezing.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

None Established.

### Exposure controls

#### Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

**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.

**Hand protection** Chemical resistant nitrile rubber gloves

**Eye protection** Safety glasses with side-shields

**Skin and body protection** Wear long-sleeved shirt and long pants and shoes plus socks.

**General protective measures** 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.

**BIOADVANCED SCIENCE-BASED  
SOLUTIONS CARPENTER ANT & TERMITE  
KILLER PLUS\* READY-TO-USE**

Version 1.0 / USA  
102000011813

**5/10**

Revision Date: 05/01/2017

---

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.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|   |  |
|---|--|
| <b>Appearance</b>                             | white                                    |
| <b>Physical State</b>                         | liquid slightly viscous                  |
| <b>Odor</b>                                   | characteristic                           |
| <b>Odour Threshold</b>                        | no data available                        |
| <b>pH</b>                                     | 5.0 - 6.0 at 100 %                       |
| <b>Vapor Pressure</b>                         | no data available                        |
| <b>Vapor Density (Air = 1)</b>                | no data available                        |
| <b>Density</b>                                | ca. 0.99 g/cm <sup>3</sup> at 20 °C      |
| <b>Evaporation rate</b>                       | no data available                        |
| <b>Boiling Point</b>                          | no data available                        |
| <b>Melting / Freezing Point</b>               | no data available                        |
| <b>Water solubility</b>                       | soluble                                  |
| <b>Minimum Ignition Energy</b>                | not applicable                           |
| <b>Decomposition temperature</b>              | not applicable                           |
| <b>Partition coefficient: n-octanol/water</b> | no data available                        |
| <b>Viscosity</b>                              | 300 - 500 mPa.s Velocity gradient 0.3 /s |
| <b>Flash point</b>                            | > 93.3 °C                                |
| <b>Autoignition temperature</b>               | no data available                        |
| <b>Lower explosion limit</b>                  | no data available                        |
| <b>Upper explosion limit</b>                  | no data available                        |
| <b>Explosivity</b>                            | not applicable                           |

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**SECTION 10: STABILITY AND REACTIVITY**

|                              |                                 |
|------------------------------|---------------------------------|
| <b>Reactivity</b>            |                                 |
| <b>Thermal decomposition</b> | not applicable                  |
| <b>Chemical stability</b>    | Stable under normal conditions. |

**BIOADVANCED SCIENCE-BASED  
SOLUTIONS CARPENTER ANT & TERMITE  
KILLER PLUS\* READY-TO-USE**

Version 1.0 / USA  
102000011813

6/10

Revision Date: 05/01/2017

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|   |  |
|---|--|
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.        |
| <b>Conditions to avoid</b>                | freezing   |
| <b>Incompatible materials</b>             | no data available  |
| <b>Hazardous decomposition products</b>   | No decomposition products expected under normal conditions of use. |

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**SECTION 11: TOXICOLOGICAL INFORMATION**

|                          |   |
|--------------------------|---|
| <b>Exposure routes</b>   | Eye contact, Skin contact, Ingestion  |
| <b>Immediate Effects</b> |   |
| <b>Eye</b>               | May cause eye irritation.   |
| <b>Skin</b>              | May cause skin irritation. Contact with product may result in transient tingling and reddening of the skin. |

**Information on toxicological effects**

|                                  |   |
|----------------------------------|---|
| <b>Acute oral toxicity</b>       | LD50 (rat) > 5,050 mg/kg  |
| <b>Acute inhalation toxicity</b> | LC50 (rat) > 3.1 mg/l<br>Exposure time: 4 h<br>Determined in the form of liquid aerosol.<br>No deaths                         |
|                                  | LC50 (rat) > 12.4 mg/l<br>Exposure time: 1 h<br>Determined in the form of liquid aerosol.<br>Extrapolated from the 4 hr LC50. |
| <b>Acute dermal toxicity</b>     | LD50 (rabbit) > 5,050 mg/kg   |
| <b>Skin irritation</b>           | No skin irritation (rabbit)   |
| <b>Eye irritation</b>            | No eye irritation (rabbit)  |
| <b>Sensitisation</b>             | Non-sensitizing. (guinea pig)   |

**Assessment repeated dose toxicity**

Deltamethrin caused neurobehavioral effects and/or neuropathological changes in animal studies. The toxic effects of Deltamethrin are related to transient hyperactivity typical for pyrethroid neurotoxicity.

**Assessment Mutagenicity**

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

**Assessment Carcinogenicity**

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

**ACGIH**

**BIOADVANCED SCIENCE-BASED  
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KILLER PLUS\* READY-TO-USE**

Version 1.0 / USA  
102000011813

**7/10**

Revision Date: 05/01/2017

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None.

**NTP**

None.

**IARC**

Deltamethrin

52918-63-5

Overall evaluation: 3

**OSHA**

None.

**Assessment toxicity to reproduction**

Deltamethrin did not cause reproductive toxicity in a two-generation study in rats.

**Assessment developmental toxicity**

Deltamethrin caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Deltamethrin are related to maternal toxicity.

**Further information**

Acute toxicity studies have been bridged from a similar formulation(s).  
The non-acute information pertains to the active ingredient(s).

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**SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity to fish** LC50 (Rainbow trout (*Oncorhynchus mykiss*)) 0.15 µg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient deltamethrin.

**Toxicity to aquatic invertebrates** EC50 (Water flea (*Daphnia magna*)) 0.0131 µg/l  
Exposure time: 48 h  
The value mentioned relates to the active ingredient deltamethrin.

**Toxicity to aquatic plants** EC50 (Algae) > 9.1 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient deltamethrin.

**Biodegradability** Deltamethrin: ; not rapidly biodegradable

**Koc** Deltamethrin: Koc: 10240000

**Bioaccumulation** Deltamethrin: Bioconcentration factor (BCF) 1,400; Does not bioaccumulate.

**Mobility in soil** Deltamethrin: Immobile in soil

**Environmental precautions** Do not allow to get into surface water, drains and ground water.  
Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.  
Do not apply when weather conditions favor runoff or drift.  
Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

**BIOADVANCED SCIENCE-BASED  
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KILLER PLUS\* READY-TO-USE**

Version 1.0 / USA  
102000011813

**8/10**  
Revision Date: 05/01/2017

---

Apply this product as specified on the label.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

|                               |  |
|-------------------------------|--|
| <b>Product</b>                | 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.<br>Never place unused product down any indoor or outdoor drain. |
| <b>Contaminated packaging</b> | Do not re-use empty containers.<br>Place empty container in trash.<br>Follow advice on product label and/or leaflet.   |
| <b>RCRA Information</b>       | Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply.  |

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**SECTION 14: TRANSPORT INFORMATION**

|                          |  |
|--------------------------|--|
| <b>49CFR</b>             | Not dangerous goods / not hazardous material                                       |
| <b>IMDG</b>              |  |
| UN number                | <b>3082</b>  |
| Class                    | 9  |
| Packaging group          | III  |
| Marine pollutant         | YES  |
| Proper shipping name     | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,<br>N.O.S.<br>(DELTAMETHRIN SOLUTION)  |
| <b>IATA</b>              |  |
| UN number                | <b>3082</b>  |
| Class                    | 9  |
| Packaging group          | III  |
| Environm. Hazardous Mark | YES  |
| Proper shipping name     | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,<br>N.O.S.<br>(DELTAMETHRIN SOLUTION ) |

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

Freight Classification: INSECTICIDES OR FUNGICIDES, N.O.I., OTHER THAN POISON



**BIOADVANCED SCIENCE-BASED  
SOLUTIONS CARPENTER ANT & TERMITE  
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Version 1.0 / USA  
102000011813

**9/10**  
Revision Date: 05/01/2017

---

**SECTION 15: REGULATORY INFORMATION**

**EPA Registration No.** 92564-58

**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

**EPA/FIFRA Information:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:



**BIOADVANCED SCIENCE-BASED  
SOLUTIONS CARPENTER ANT & TERMITE  
KILLER PLUS\* READY-TO-USE**

Version 1.0 / USA  
102000011813

**10/10**

Revision Date: 05/01/2017

---

**Signal word:** Caution!

**Hazard statements:** Contact with product may result in transient tingling and reddening of the skin.  
Avoid contact with skin, eyes and clothing.  
Wash thoroughly with soap and water after handling.

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**SECTION 16: OTHER INFORMATION**

**NFPA 704 (National Fire Protection Association):**

Health - 1      Flammability - 0      Instability - 0      Others - none

**HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)**

Health - 1      Flammability - 0      Physical Hazard - 0      PPE -

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

**Reason for Revision:** New company name and new EPA registration number.

**Date of Previous Revision:** N/A

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions. The product names are trademarks of SBM Life Science Corp.