

**BIOADVANCED SCIENCE-BASED  
SOLUTIONS TERMITE & CARPENTER BEE  
KILLER PLUS FOAM**

Version 1.0 / USA  
102000011452

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Revision Date: 02/01/2019

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

**Product identifier**

Trade name BIOADVANCED SCIENCE-BASED SOLUTIONS TERMITE &  
CARPENTER BEE KILLER PLUS FOAM  
Product code  
SDS Number 102000011452  
EPA Registration No. 92564-60

**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 Dr, Ste. 500  
Cary, NC 27513  
United States

**Emergency telephone no.**

All Emergencies, 24hr/ 7 days 1-877-229-3763

**Product Information Telephone No.** 1-877-229-3724

**SDS Information or Request** SDS@sbm-company.com

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**SECTION 2: HAZARDS IDENTIFICATION**

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

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**Other hazards**

Contents under pressure.

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

Hazardous Component Name	CAS-No.	Average % by Weight
Imidacloprid	138261-41-3	0.05
Isobutane	75-28-5	7.50
Glycerine	56-81-5	4.77
Fatty alcohol ethoxylate	66455-15-0	2.00

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**SECTION 4: FIRST AID MEASURES**

**Description of first aid measures**

<b>General advice</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Inhalation</b>	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.
<b>Skin contact</b>	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.
<b>Eye contact</b>	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.
<b>Ingestion</b>	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**

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

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**SECTION 5: FIREFIGHTING MEASURES**

<b>Extinguishing media</b>	
<b>Suitable</b>	Water, Carbon dioxide (CO2), Dry chemical, Foam
<b>Unsuitable</b>	None known.
<b>Special hazards arising from the substance or mixture</b>	Product is contained in a pressurised container which may explode on heating.
<b>Advice for firefighters</b>	
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.
<b>Further information</b>	Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off

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from fire fighting to enter drains or water courses.

<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 6: ACCIDENTAL RELEASE MEASURES**

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

**Precautions** Remove all sources of ignition. Avoid contact with spilled product or contaminated surfaces. Isolate hazard area. Keep unauthorized people away.

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

**Methods for cleaning up** 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.

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**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Contents under pressure. Use only in area provided with appropriate exhaust ventilation.

**Advice on protection against fire and explosion** Keep away from heat and sources of ignition. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

**Hygiene measures** Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.

**Conditions for safe storage, including any incompatibilities**

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**Requirements for storage  
areas and containers**

Keep containers tightly closed in a dry, cool and well-ventilated place. BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.

Store in original container and out of the reach of children, preferably in a locked storage area.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Imidacloprid	138261-41-3	5 ug/m3 (AN ESL)	07 2011	TX ESL
Imidacloprid	138261-41-3	50 ug/m3 (ST ESL)	07 2011	TX ESL
Isobutane	75-28-5	1,000 ppm (TWA)	02 2012	ACGIH
Isobutane	75-28-5	1,000 ppm (STEL)	02 2012	ACGIH NIC
Isobutane	75-28-5	1,900 mg/m3 / 800 ppm (REL)	2010	NIOSH
Isobutane	75-28-5	800 ppb (AN ESL)	07 2011	TX ESL
Isobutane	75-28-5	2040 ppb (ST ESL)	07 2011	TX ESL
Isobutane	75-28-5	1900 ug/m3 (AN ESL)	07 2011	TX ESL
Isobutane	75-28-5	4800 ug/m3 (ST ESL)	07 2011	TX ESL
Glycerine (Mist.)	56-81-5	10 mg/m3 (TWA)	02 2012	ACGIH
Glycerine (Total dust.)	56-81-5	15 mg/m3 (PEL)	02 2006	OSHA Z1
Glycerine (Respirable fraction.)	56-81-5	5 mg/m3 (PEL)	02 2006	OSHA Z1
Glycerine (Total dust.)	56-81-5	10 mg/m3 (TWA)	1989	OSHA Z1A
Glycerine (Respirable fraction.)	56-81-5	5 mg/m3 (TWA)	1989	OSHA Z1A
Glycerine (Total dust and mist.)	56-81-5	10 mg/m3 (TWA)	06 2008	TN OEL

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Glycerine (Respirable fraction and dust or fume.)	56-81-5	5 mg/m3 (TWA)	06 2008	TN OEL
Glycerine	56-81-5	5 ug/m3 (AN ESL)	03 2012	TX ESL
Glycerine	56-81-5	100 ug/m3 (AN ESL)	03 2012	TX ESL
Glycerine	56-81-5	50 ug/m3 (ST ESL)	03 2012	TX ESL
Glycerine	56-81-5	1000 ug/m3 (ST ESL)	03 2012	TX ESL

**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.

<b>Respiratory protection</b>	Respiratory protection is not required under anticipated circumstances of exposure.
<b>Hand protection</b>	Chemical resistant nitrile rubber gloves
<b>Eye protection</b>	Safety glasses with side-shields
<b>Skin and body protection</b>	Wear long-sleeved shirt and long pants and shoes plus socks.
<b>General protective measures</b>	Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	white
<b>Physical State</b>	Foam
<b>Odor</b>	almost odourless
<b>Odour Threshold</b>	no data available
<b>pH</b>	5.0 - 7.0 (10 %)
<b>Vapor Pressure</b>	no data available

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<b>Vapor Density (Air = 1)</b>	no data available
<b>Density</b>	ca. 1.01 g/cm <sup>3</sup> at 20 °C
<b>Evapouration 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>	no data available
<b>Decomposition temperature</b>	no data available
<b>Partition coefficient: n-octanol/water</b>	no data available
<b>Viscosity</b>	3 mPa.s at 25 °C
<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**

**Reactivity**

**Thermal decomposition** no data available

**Chemical stability** Stable under recommended storage conditions.

**Possibility of hazardous reactions** No hazardous reactions when stored and handled according to prescribed instructions.

**Conditions to avoid** Heat, flames and sparks.

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<b>Incompatible materials</b>	no data available
<b>Hazardous decomposition products</b>	Thermal decomposition can lead to release of: Hydrogen cyanide (hydrocyanic acid) Carbon oxides Nitrogen oxides (NOx)

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**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Exposure routes</b>	Skin contact, Ingestion, Eye contact
<b>Immediate Effects</b>	
<b>Eye</b>	No eye irritation
<b>Skin</b>	May cause slight irritation.
<b>Ingestion</b>	Harmful if swallowed.
<b>Information on toxicological effects</b>	
<b>Acute oral toxicity</b>	LD50 (female rat) > 5,000 mg/kg
<b>Acute inhalation toxicity</b>	Cannot be prepared and tested in a respirable form. no data available
<b>Acute dermal toxicity</b>	LD50 (male/female combined rat) > 5,000 mg/kg
<b>Skin irritation</b>	Slight irritation (rabbit)
<b>Eye irritation</b>	No eye irritation (rabbit)
<b>Sensitisation</b>	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test

**Assessment repeated dose toxicity**  
Imidacloprid did not cause specific target organ toxicity in experimental animal studies.

**Assessment Mutagenicity**  
Imidacloprid was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

**Assessment Carcinogenicity**  
Imidacloprid was not carcinogenic in lifetime feeding studies in rats and mice.

**ACGIH**  
None.

**NTP**  
None.

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**IARC**  
None.

**OSHA**  
None.

**Assessment toxicity to reproduction**

Imidacloprid caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Imidacloprid is related to parental toxicity.

**Assessment developmental toxicity**

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

**Further information**

Only acute toxicity studies have been performed on the formulated product.  
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*)) 211 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient imidacloprid.

**Toxicity to aquatic invertebrates** EC50 (Water flea (*Daphnia magna*)) 85 mg/l  
Exposure time: 48 h  
The value mentioned relates to the active ingredient imidacloprid.

LC50 (*Chironomus riparius* (non-biting midge)) 0.0552 mg/l  
Exposure time: 24 h  
The value mentioned relates to the active ingredient imidacloprid.

**Toxicity to aquatic plants** EC50 (*Desmodium subspicatus*) > 10 mg/l  
Growth rate; Exposure time: 72 h  
The value mentioned relates to the active ingredient imidacloprid.

**Biodegradability** Imidacloprid: not rapidly biodegradable

**Koc** Imidacloprid: Koc:225

**Bioaccumulation** Imidacloprid:  
Does not bioaccumulate.

**Mobility in soil** Imidacloprid: Moderately mobile in soils



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**Environmental precautions** Apply this product as specified on the label.  
Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.  
Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Product** Pesticide, spray mixture or rinse water that cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility.

**Contaminated packaging** Do not re-use empty containers.  
Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.  
Place empty container in trash.

**RCRA Information** 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**

**49CFR**

UN number **1950**  
Class 2.2  
Packaging group  
Proper shipping name AEROSOLS

**IMDG**

UN number **1950**  
Class 2.2  
Packaging group  
Marine pollutant NO  
Proper shipping name AEROSOLS

**IATA**

UN number **1950**  
Class 2.2  
Packaging group  
Environm. Hazardous Mark NO  
Proper shipping name AEROSOLS, NON-FLAMMABLE

This transportation information is not intended to convey all specific regulatory information relating to



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this product. It does not address regulatory variations due to package size or special transportation requirements.

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**SECTION 15: REGULATORY INFORMATION**

**EPA Registration No.** 92564-60

**US Federal Regulations**

**TSCA list**

Isobutane	75-28-5
Glycerine	56-81-5
Fatty alcohol ethoxylate	66455-15-0

**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**

Isobutane	75-28-5	CT, MN, NJ
Glycerine	56-81-5	MN, RI

**Canadian Regulations**

**Canadian Domestic Substance List**

Isobutane	75-28-5
Glycerine	56-81-5
Fatty alcohol ethoxylate	66455-15-0

**Environmental**

**CERCLA**

Isobutane	75-28-5	100 lbs
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**Clean Water Section 307 Priority Pollutants**

None.

**Safe Drinking Water Act Maximum Contaminant Levels**

None.

**International Regulations**

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

Isobutane	75-28-5
Glycerine	56-81-5

**EPA/FIFRA Information:**



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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:

**Signal word:** Caution!

**Hazard statements:** Harmful if swallowed.  
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 - 2      Instability - 1      Others - none

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

Health - 1      Flammability - 2      Physical Hazard - 1      PPE -

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

Reason for Revision: Update emergency contact and product information number.

Date of Previous Revision: 05/01/2017

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.