



# PREMISE FOAM

For Pest Management Professionals and Commercial Use Only.

To **KILL** subterranean termite species of *Coptotermes*, *Heterotermes*, *Reticulitermes*, and *Zootermopsis*.

For use by individuals/firms licensed or registered by the state to apply general pest control products or termiticide products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the structural pest control regulatory agency of your state prior to use of this product.

**ACTIVE INGREDIENT:**

Imidacloprid:

1-[(6-Chloro-3-pyridinyl)methyl]-N nitro-2-imidazolidinimine.....0.05%

**OTHER INGREDIENTS**.....99.95%

**TOTAL:** 100.00%

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

EPA REG. NO. 432-1391

EPA EST. NO.: 58996-MO-1

NET CONTENTS: 18 ounces

**STOP-READ THE LABEL BEFORE USE.  
KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

#### FIRST AID

<b>IF SWALLOWED</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>IF IN EYES</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center for treatment advice.</li></ul>
<b>HOTLINE NUMBER</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800- 471-0660 for emergency medical treatment information.	

## ENVIRONMENTAL HAZARDS

This product is highly toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Apply this product only as specified on this label.

## PHYSICAL/CHEMICAL HAZARDS

Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in a cool, dry place and avoid excessive heat (>130 F). Store in original container and out of reach of children, preferably in a locked storage area.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site (in the treatment area) or at an approved waste disposal facility.

**Container Disposal:** Do not reuse empty container. Do not puncture or incinerate. If empty place in trash or offer for recycling if available.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

### IMPORTANT: Read entire DIRECTIONS FOR USE before using PREMISE FOAM

#### GENERAL

This product is a ready-to-use formulation of imidacloprid intended to kill subterranean termite species of *Coptotermes*, *Heterotermes*, *Reticulitermes*, and *Zootermopsis*. It can be used for spot treatments for the control of existing infestations of subterranean termite species and other wood-destroying insects. PREMISE Foam is a ready-to-use formulation that rapidly expands to create a high expansion ratio or "dry" foam. When applied into a termite gallery system, or into a termite-infested void, the foam expands to thoroughly cover hidden or difficult to treat areas, and contact insects hidden deep within these galleries or voids.

Do not use this product as the sole source of control for active, structural infestations by subterranean termites; it is not a substitute for mechanical alteration, soil and foundation treatments. For active, structural infestations by subterranean termites, this product can only be used to supplement a soil-applied termiticide, a termite bait system, or other product registered as a sole source for termite control. This product is intended as a supplemental tool to kill subterranean termites that are found in above ground and other locations.

Spot treatments with PREMISE Foam can be made, as a temporary control measure, in advance of the date when final treatment of the structure with soil and foundation treatments is completed.

## USE SITES

This product can be applied to insect galleries in damaged wood, into spaces between wooden structural members, or into voids within the construction. Locations treated may include, but are not limited to, exposed wooden elements in crawlspaces, basements, or attics, unexposed wooden elements inside wall or other structural voids, exterior wooden elements in decks, fencing, or siding, channels in damaged wood, in spaces between wooden elements of a structure, and junctions between wood and foundations. Use this product in commercial and residential structures, as well as other, non-structural wooden constructions subject to termite or wood-infesting insect attack.

## APPLICATION

**NOTE:** The self-pressurized container dispenses PREMISE Foam at a rate of approximately 26-milliliters (approximately 0.9 fluid ounces) of liquid formulation (approximately 0.85-Liters, or 51.7 cubic inches, of expanded foam) per four seconds. To minimize run-off, continue to hold the application tip firmly against the injection point for a full 5 seconds after releasing the dispenser trigger; this will allow product in the application hose to fully expand and enter the target area. This pressurized container treats 1,000 cubic feet. This product will provide foam at an expansion ratio of 30 to 1. This ratio is a function of agitation and cumulative release time.

**Feeding Galleries and Structural Voids:** To control subterranean termite infestations in localized, aboveground areas of the structure, apply a sufficient volume of PREMISE Foam into galleries or voids in termite-damaged wood, or into spaces between termite-damaged wooden structural members and between the sill plate and foundation where wood is vulnerable. Locate galleries by using visual signs (e.g., shelter tubes, blistered wood), the presence of live insects, mechanical sounding techniques, or listening devices (e.g., stethoscopes, acoustic emission detectors). Where necessary, penetrate the galleries in damaged wood or structural voids by drilling holes to receive the injector tip. Distribute drill holes to adequately treat the infestation.

PREMISE Foam can also be used as a spot treatment to control existing infestations in trees, utility poles, fencing and decking materials, landscape timbers and similar nonstructural wood. Wherever possible, locate an interior infested cavity and inject a sufficient volume of PREMISE Foam.

**Nest Sites:** Termite carton nests in building voids, in trees, or non-structural wooden constructions (e.g., posts, fences, decks) may also be treated with PREMISE Foam. Multiple injection points to varying depths may be necessary to obtain thorough coverage. After treatment, removal of carton material from building voids may be desirable.

**Drywood termites and wood-infesting beetles or borers** (such as, but not limited to, powder post beetles, anobiid or deathwatch beetles, false powder post beetles, old house borers, wharf borers, or ambrosia or bark beetles). Galleries excavated by, or voids infested by, these pests can be treated with PREMISE Foam. Locate galleries by using visual signs (frass or pellets, blistered wood, emergence or clean out holes), the presence of live insects, mechanical sounding techniques, or listening devices (e.g., stethoscopes, acoustic emission detectors).

Penetrate the gallery system by drilling holes to receive the injector tip. Distribute drill holes to adequately cover the gallery system.

[NOTE: Avoid drilling where electrical wiring, plumbing lines, etc. are located.]

Apply a sufficient quantity of PREMISE Foam to fill the gallery or void space. However, it is not necessary to treat to the point where runoff is detected from adjacent holes. [NOTE: Do not apply where electrical shock hazards exist.] Drill holes should be sealed after treatment. For inaccessible surfaces, drill and treat the interior of structural voids.

When treating overhead in living areas, cover surfaces below the treated area with plastic sheeting or similar material. Avoid contact with treated surfaces until foam has dried.

**Localized treatment for carpenter bees:** Apply a sufficient volume of PREMISE Foam directly into gallery entrance holes. Following treatment, entrance holes may be plugged with a suitable material.

**Localized treatment for ant infestations:** To control or suppress ants in houses and other structures, inject a sufficient volume of PREMISE Foam by crack and crevice or wall void application. Make injections into voids where ants or their nests are present, or other places where these pests enter the structure, or where they may have been seen or found. Apply the volume of foam sufficient to cover the area, but do not allow excessive dripping or run-off to occur.

When ant nest site(s) are located in tree hollows or non-structural wooden constructions (e.g., posts, fences, decks), treat the interior cavity containing the nest site by injecting a volume of PREMISE Foam sufficient to cover the area.

## RESTRICTIONS

- Do not apply in the open or on exposed surfaces, or in areas accessible to children.
- Do not apply where electrical shock hazards exist.
- Do not apply until location of heat pipes, ducts, water and sewer lines, and electrical conduits are known and identified.
- Caution must be taken to avoid puncturing and injection into these structural elements.
- Avoid drilling where heat pipes, ducts, water and sewer lines and electrical conduits are located.
- Holes drilled in living areas should be sealed after treatment.

- Do not re-apply this product to a previously treated site or location before 3 months, unless re-infestation is observed or suspected.

## IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, because of manner of use and other factors beyond Bayer Environmental Science's control, it is impossible for Bayer Environmental Science to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

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**LIMITATIONS OF LIABILITY:** TO THE EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER ENVIRONMENTAL SCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

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Bayer Environmental Science

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05/13/04, Notification 04/05/06



Material Safety Data Sheet

PREMISE® FOAM

MSDS Number: 102000011452

MSDS Version 2.0

Revision Date: 06/12/2006

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name PREMISE® FOAM
MSDS Number 102000011452
EPA Registration No. 432-1391
Product Use A ready-to-use formulation intended for use in spot treatments for the control of existing infestations of subterranean termite species and other wood-destroying insects.

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

Table with 3 columns: Hazardous Component Name, CAS-No., Average % by Weight. Rows include Imidacloprid and Isobutane.

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview Caution! Avoid contact with skin, eyes and clothing. Harmful if swallowed. Wash thoroughly with soap and water after handling.

Appearance Liquid in spray-can producing a white foam

Routes of Exposure Skin contact, Ingestion

Immediate Effects

Eye No eye irritation.

Skin Slight irritation.

Ingestion Harmful if swallowed.

SECTION 4. FIRST AID MEASURES



**Material Safety Data Sheet**

MSDS Number: 102000011452  
MSDS Version 2.0

**PREMISE® FOAM**

<b>General</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Eye</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>Skin</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. 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.
<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>Notes to Physician Treatment</b>	There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

**SECTION 5. FIRE FIGHTING MEASURES**

<b>Flash Point</b>	93.3 °C / 199.9 °F
<b>Suitable Extinguishing Media</b>	water, carbon dioxide (CO2), dry chemical, foam
<b>Fire Fighting Instructions</b>	Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Equipment or materials involved in pesticide fires may become contaminated.  In the event of fire, wear self-contained breathing apparatus.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

<b>Methods for Cleaning Up</b>	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.
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**Material Safety Data Sheet**

MSDS Number: 102000011452  
MSDS Version 2.0

**PREMISE® FOAM**

**Additional Advice** Use proper protective equipment to minimize personal exposure (see Section 8). Take up with absorbent material (e.g. sand, diatomaceous earth or a proprietary absorbent material). Collect and contain contaminated absorbent and dike material for disposal.

**SECTION 7. HANDLING AND STORAGE**

**Handling Procedures** Contents under pressure. Do not puncture or incinerate container. Do not use near heat or open flame.

**Storing Procedures** Keep in a dry, cool place. Keep away from heat.  
Store in original container and out of the reach of children, preferably in a locked storage area.  
Do not contaminate water, food, or feed by storage or disposal.

**Work/Hygienic Procedures** Wash thoroughly with soap and water after handling.

**Min/Max Storage Temperatures** Do not transport or store above 54 °C / 129 °F

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

**Eye/Face Protection** Safety glasses with side-shields

**Hand Protection** Chemical resistant nitrile rubber gloves

**Body Protection** Wear long-sleeved shirt and long pants and shoes plus socks.

<b>Exposure Limits</b>					
Isobutane	75-28-5	NIOSH ACGIH	REL TWA	800 ppm	1,900 mg/m <sup>3</sup> 1,000 ppm

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** Liquid in spray-can producing a white foam

**pH** 6 (10 %)

**Specific Gravity** 1.012 at 20 °C

**Density** 1.012 g/cm<sup>3</sup> at 20 °C

**Viscosity** 3 mPa.s at 25 °C



**Material Safety Data Sheet**

**PREMISE® FOAM**

MSDS Number: 102000011452  
MSDS Version 2.0

**SECTION 10. STABILITY AND REACTIVITY**

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

**Conditions to Avoid** elevated temperatures

**SECTION 11. TOXICOLOGICAL INFORMATION**

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

**Acute Oral Toxicity** female rat: LD50: > 5,000 mg/kg (up & down method)

**Acute Dermal Toxicity** male/female rat: LD50: > 500 mg/kg (limit test)

**Acute Inhalation Toxicity** Feasibility tests revealed that respirable aerosols in any appreciable concentration cannot be generated with this product.

**Skin Irritation** rabbit: Slight irritation.

**Eye Irritation** rabbit: Non-irritant.

**Sensitization** guinea pig: Non-sensitizing.

**Subchronic Toxicity** In a 3-week dermal toxicity study, rabbits treated with imidacloprid showed no local or systemic effects at levels up to and including 1000 mg/kg, the limit dose.

In a 4-week inhalation study, rats exposed to high concentrations of imidacloprid exhibited decreased body weight gains and changes in clinical chemistries and organ weights.

**Chronic Toxicity** In chronic dietary studies in rats and dogs exposed to imidacloprid, the target organs were the thyroids and/or liver.

**Assessment Carcinogenicity**

In oncogenicity studies in rats and mice, imidacloprid was not considered carcinogenic in either species.

- ACGIH**  
None.
- NTP**  
None.
- IARC**  
None.
- OSHA**  
None.





**Material Safety Data Sheet**

MSDS Number: 102000011452  
MSDS Version 2.0

**PREMISE® FOAM**

**Reproductive & Developmental Toxicity**

**REPRODUCTION:** In a two-generation reproduction study in rats, imidacloprid was not a primary reproductive toxicant. Offspring exhibited reduced body weights at the high dose and in conjunction with maternal toxicity.

**DEVELOPMENTAL TOXICITY:** In developmental toxicity studies in rats and rabbits, there was no evidence of an embryotoxic or teratogenic potential for imidacloprid. In both species, developmental effects were observed only at high doses and in conjunction with maternal toxicity.

**Neurotoxicity**

In acute and subchronic neurotoxicity screening studies in rats, imidacloprid produced slight neurobehavioral effects in each study at the highest dose tested. There were no correlating morphological changes observed in the neural tissues.

In a one-generation developmental neurotoxicity screening study in rats, offspring exposed to imidacloprid showed decreased motor activities. These effects occurred at the highest dose tested and in conjunction with maternal toxicity. There were no correlating morphological changes observed in the neural tissues.

**Mutagenicity**

The imidacloprid mutagenicity studies, taken collectively, demonstrate that the active ingredient is not genotoxic or mutagenic.

**SECTION 12. ECOLOGICAL INFORMATION**

**Environmental Precautions**

Highly toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark outside of a treated rice field. Apply this product as specified on the label.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**General Disposal Guidance**

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

**Container Disposal**

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 Classification:**

The RCRA Classifications may be on the individual component(s) and not necessarily on the product as a whole.

75-28-5

Isobutane  
US. EPA Resource Conservation and Recovery Act: (RCRA) D List of Characteristic Hazardous Wastes (40 CFR 261.21-24): D001



**Material Safety Data Sheet**

**PREMISE® FOAM**

MSDS Number: 102000011452  
MSDS Version 2.0

**SECTION 14. TRANSPORT INFORMATION**

DOT CLASSIFICATION:  
Aerosols // 2.2 // UN1950

CONSUMER COMMODITY - HAZMAT shipping papers not required for surface shipment per  
CFR49,172.200(b)(3)

**SECTION 15. REGULATORY INFORMATION**

EPA Registration No. 432-1391

**US Federal Regulations**

**TSCA list**

Isobutane 75-28-5

**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, IL, MN, NJ

**Canadian Regulations**

**Canadian Domestic Substance List**

Isobutane 75-28-5

**Environmental**

**CERCLA**

Isobutane 75-28-5 100 lbs

**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



**Material Safety Data Sheet**  
**PREMISE® FOAM**

MSDS Number: 102000011452  
MSDS Version 2.0

**SECTION 16. OTHER INFORMATION**

NFPA 704 (National Fire Protection Association):

Health - 1      Flammability - 2      Reactivity - 1      Others - none

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

Reason to Revise: Revised format; changed address in Section 1.

Revision Date: 06/12/2006

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