



Material Safety Data Sheet

PREMISE FOAM

MSDS Version: 2.1

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name	PREMISE FOAM
Chemical Name	
Common Name	
MSDS Number	1910
Chemical Family	
Chemical Formulation	
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
 95 Chestnut Ridge Road
 Montvale, NJ 07645
 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>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
Imidacloprid Technical	138261-41-3	0.0400	0.0600
Isobutane (propane, 2-methyl)	75-28-5	6.9000	8.1000

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

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Ingestion Harmful if swallowed.

SECTION 4. FIRST AID MEASURES

General	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 poison control center or doctor for treatment advice.
Skin	Take off all contaminated clothing immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.
Ingestion	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. 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.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point	93.3 °C / 199.9 °F
Suitable Extinguishing Media	Water, Carbon dioxide (CO2), Dry chemical, Foam
Fire Fighting Instructions	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

General and Disposal	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.
Land Spill or Leaks	Use proper protective equipment to minimize personal exposure (see Section 8). Take up with absorbent material (e.g. sand, 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. Keep in a cool place, heat causes increase in pressure and risk of bursting.
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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

Hand Protection Suitable chemical resistant gloves

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

Exposure Limits

Isobutane (propane, 2-methyl)	75-28-5	NIOSH	REL	800 ppm	1,900 mg/m ³
		ACGIH NIC	TWA		1,000 ppm

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Liquid in spray-can producing a white foam

pH 6.0 Determined as a 10% solution in distilled water.

Specific Gravity 1.012 at 20 °C

Molecular Weight 255.7 g/mol

Viscosity 3 mPa.s 25 °C

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability Stable under recommended storage conditions.

Conditions to Avoid Contents under pressure.
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.

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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

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.

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

SECTION 12. ECOLOGICAL INFORMATION

Environmental Precautions This product is 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 the label.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal Do not re-use empty containers. Do not puncture or incinerate container. If empty, place in trash or offer for recycling if available.

RCRA Classification 75-28-5 Isobutane (propane, 2-methyl)
US. EPA Resource Conservation and Recovery Act: (RCRA) D List of Characteristic Hazardous Wastes (40 CFR 261.21-24): D001

SECTION 14. TRANSPORT INFORMATION

DOT CLASSIFICATION:
Aerosols // 2.2 // UN1950

This material qualifies for the Consumer Commodity exceptions under CFR49, 173.306
When shipping as a Consumer Commodity the DOT Classification is:
Consumer Commodity // ORM-D

IATA CLASSIFICATION:
Aerosols, Non-Flammable // 2.2 // UN1950

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

SECTION 15. REGULATORY INFORMATION

EPA Registration No. 432-1391

US Federal Regulations

TSCA list

Isobutane (propane, 2-methyl) 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

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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

Isobutane (propane, 2-methyl) 75-28-5

Environmental

CERCLA

Isobutane (propane, 2-methyl) 75-28-5 100 lbs

Clean Water Section 307 Priority Pollutants

None

Safe Drinking Water Act Maximum Contaminant Levels

None

International Regulations

EU Classification

Isobutane (propane, 2-methyl) 75-28-5 Extremely flammable Toxic
R-phrases) May cause cancer. May cause heritable genetic damage.
Extremely flammable.

S-phrases) Avoid exposure - obtain special instructions before use. In
case of accident or if you feel unwell, seek medical advice
immediately (show label where possible).

European Inventory of Existing Commercial Substances (EINECS)

Isobutane (propane, 2-methyl) 75-28-5

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

MSDS REVISION INDICATOR: Section 11: Updated Toxicological Information; Section 14: Updated Transportation Information.

Approval Date: 11/10/2004

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