Bayer Environmental Science

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
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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

Hazardous Component Name	CAS-No.	Average % by Weight
Imidacloprid	138261-41-3	0.05
Isobutane	75-28-5	7.50

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

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	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.
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 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	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

Methods for Cleaning Up	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

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.

Exposure Limits

Isobutane	75-28-5	NIOSH	REL	800 ppm	1,900 mg/m3
		ACGIH	TWA		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/cm³ at 20 °C
Viscosity	3 mPa.s at 25 °C

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.

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

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

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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