



Material Safety Data Sheet

PREMISE® FOAM

MSDS Number: 102000011452
MSDS Version 2.1
Revision Date: 03/10/2011
Print Date: 03/10/2011

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name PREMISE® FOAM
MSDS Number 102000011452
EPA Registration No. 432-1391
Product Use Insecticide

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. HAZARDS IDENTIFICATION

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

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

Physical State liquid, clear

Odor almost odourless

Appearance colourless

Exposure routes Skin contact, Ingestion

Immediate Effects

- Eye** No eye irritation Avoid contact with eyes.
- Skin** slight irritation Avoid contact with skin and clothing.
- Ingestion** Harmful if swallowed. Do not take internally.

Chronic or Delayed Long-Term This product or its components may have target organ effects.

Potential Environmental Effect Highly toxic to aquatic invertebrates.



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS-No.</u>	<u>Average % by Weight</u>
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

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

SECTION 5. FIRE FIGHTING MEASURES

Flash point	93.3 °C / 199.9 °F
Autoignition temperature	no data available
Lower Flammability Limit	no data available
Upper Flammability Limit	no data available



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Suitable extinguishing media	Water, Carbon dioxide (CO2), Dry chemical, Foam
Fire Fighting Instructions	<p>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.</p> <p>Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.</p>

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

SECTION 7. HANDLING AND STORAGE

Handling procedures	<p>Contents under pressure. Ensure adequate ventilation.</p> <p>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.</p>
Storing Procedures	<p>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.</p> <p>Store in original container and out of the reach of children, preferably in a locked storage area.</p>
Work/Hygienic Procedures	Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General Protection	<p>Follow all label instructions. Train employees in safe use of the product.</p> <p>Follow manufacturer's instructions for cleaning/maintaining PPE. If no such</p>
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instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.

- 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

Imidacloprid	138261-41-3	OES BCS*	TWA	0.7 mg/m3
		TX ESL	ST ESL	50 ug/m3
		TX ESL	AN ESL	5 ug/m3
Isobutane	75-28-5	NIOSH	REL	800 ppm
		TX ESL	ST ESL	4800 ug/m3
		TX ESL	AN ESL	480 ug/m3
		TX ESL	ST ESL	2040 ppb
Glycerine	56-81-5	TX ESL	AN ESL	204 ppb
		ACGIH	TWA	10 mg/m3
		OSHA Z1	PEL	5 mg/m3
		OSHA Z1	PEL	15 mg/m3
		OSHA Z1A	TWA	5 mg/m3
		OSHA Z1A	TWA	10 mg/m3
		TX ESL	ST ESL	50 ug/m3
TX ESL	AN ESL	5 ug/m3		
			TWA	10 mg/m3
			TWA	5 mg/m3

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	colourless
Physical State	liquid, clear
Odor	almost odourless
pH	5.0 - 7.0 (10 %)
Vapor Pressure	no data available
Vapor Density (Air = 1)	no data available
Density	ca. 1.01 g/cm ³ at 20 °C
Evaporation rate	no data available



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Boiling Point	no data available
Melting / Freezing Point	no data available
Decomposition temperature	no data available
Partition coefficient: n-octanol/water	no data available
Viscosity	3 mPa.s at 25 °C

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	Heat, flames and sparks.
Incompatibility	no data available
Hazardous Decomposition Products	no data available
Hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions.
Chemical Stability	Stable under recommended storage conditions.

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
Acute dermal toxicity	male/female combined rat: LD50: > 500 mg/kg
Acute inhalation toxicity	Cannot be prepared and tested in a respirable form. no data available
Skin irritation	rabbit: slight irritation
Eye irritation	rabbit: No eye irritation
Sensitisation	guinea pig: Non-sensitizing.
Chronic toxicity	Imidacloprid did not cause any significant specific adverse effects or target organ toxicity in subchronic toxicity studies.



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Assessment Carcinogenicity

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

ACGIH

None.

NTP

None.

IARC

None.

OSHA

None.

Reproductive toxicity Imidacloprid was not a reproductive toxicant in a two-generation study in rats.

Developmental Toxicity Imidacloprid was not a developmental toxicant in rats and rabbits.

Assessment neurotoxicity Imidacloprid showed slight behavioral and activity changes only at the highest dose tested in neurotoxicity studies in rats. There were no correlating morphological changes observed in the neural tissues.

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

SECTION 12. ECOLOGICAL INFORMATION

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.

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 on site or at an approved waste disposal 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 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.

SECTION 14. TRANSPORT INFORMATION

49CFR



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UN-Number **1950**
Class **2.2**
Packaging group
Description of the goods **AEROSOLS**

IMDG

UN-Number **1950**
Class **2.2**
Packaging group
Marine pollutant **NO**
Description of the goods **AEROSOLS**

IATA

UN-Number **1950**
Class **2.2**
Packaging group
Environm. Hazardous Mark **NO**
Description of the goods **AEROSOLS, NON-FLAMMABLE**

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: **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
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



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

Canadian Regulations

Canadian Domestic Substance List

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

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)

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

SECTION 16. OTHER INFORMATION

NFPA 704 (National Fire Protection Association):

Health - 1 Flammability - 2 Reactivity - 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: The following sections have been revised: Section 3: Composition / Information on Ingredients. Updated for general editorial purposes.

Revision Date: 03/10/2011

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