SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

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

For MEDICAL, TRANSPORTATION or other EMERGENCY call: 1-800-334-7577 (24 hours/day)
For Product Information call: 1-800-331-2867

Bayer Environmental Science
2 T.W. Alexander Drive
Research Triangle PK, NC 27709
USA

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.
SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Component Name</th>
<th>CAS-No.</th>
<th>Average % by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imidacloprid</td>
<td>138261-41-3</td>
<td>0.05</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>7.50</td>
</tr>
<tr>
<td>Glycerine</td>
<td>56-81-5</td>
<td>4.77</td>
</tr>
<tr>
<td>Fatty alcohol ethoxylate</td>
<td>66455-15-0</td>
<td>2.00</td>
</tr>
</tbody>
</table>

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
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.

Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

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

Contents under pressure. Ensure adequate ventilation.

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.

Storing Procedures

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.

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

Follow all label instructions. Train employees in safe use of the product.

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.

**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**

<table>
<thead>
<tr>
<th>Compound</th>
<th>CAS Number</th>
<th>OES BCS*</th>
<th>TX ESL</th>
<th>ST ESL</th>
<th>TX ESL</th>
<th>AN ESL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imidacloprid</td>
<td>138261-41-3</td>
<td>TWA</td>
<td>0.7 mg/m³</td>
<td></td>
<td></td>
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<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>ST ESL</td>
<td>50 µg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>AN ESL</td>
<td>5 µg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerine</td>
<td>56-81-5</td>
<td>REL</td>
<td>800 ppm</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>ST ESL</td>
<td>4800 µg/m³</td>
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<tr>
<td></td>
<td></td>
<td>AN ESL</td>
<td>480 µg/m³</td>
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<tr>
<td></td>
<td></td>
<td>ST ESL</td>
<td>2040 ppb</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>AN ESL</td>
<td>204 ppb</td>
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</tbody>
</table>

*OES BCS: Internal Bayer CropScience “Occupational Exposure Standard”

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>colourless</td>
</tr>
<tr>
<td>Physical State</td>
<td>liquid, clear</td>
</tr>
<tr>
<td>Odor</td>
<td>almost odourless</td>
</tr>
<tr>
<td>pH</td>
<td>5.0 - 7.0 (10 %)</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>no data available</td>
</tr>
<tr>
<td>Density</td>
<td>ca. 1.01 g/cm³ at 20 °C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
</tbody>
</table>
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.
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
UN-Number 1950
Class 2.2
Packaging group AEROSOLS

IMDG
UN-Number 1950
Class 2.2
Marine pollutant NO
Packaging group AEROSOLS

IATA
UN-Number 1950
Class 2.2
Packaging group NO
Environm. Hazardous Mark 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
Isobutane  75-28-5  NJ
Glycerine   56-81-5  IL, MN, RI

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

Health - 1  Flammability - 2  Physical Hazard - 1  PPE - 0

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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