SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

<table>
<thead>
<tr>
<th>Trade name</th>
<th>BAYER ADVANCED TERMITE &amp; CARPENTER BEE KILLER PLUS FOAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code (UVP)</td>
<td>06335683</td>
</tr>
<tr>
<td>SDS Number</td>
<td>102000011452</td>
</tr>
<tr>
<td>EPA Registration No.</td>
<td>72155-111</td>
</tr>
</tbody>
</table>

Relevant identified uses of the substance or mixture and uses advised against

Use: Insecticide
Restrictions on use: See product label for restrictions.

Information on manufacturer

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

Emergency telephone no.
All Emergencies, 24hr/7 days: 1-800-334-7577

Product Information

Telephone No.

SDS Information or Request: SDSINFO.BCS-NA@bayer.com

SECTION 2: HAZARDS IDENTIFICATION

Classification in accordance with regulation HCS 29CFR §1910.1200
This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Other hazards
Contents under pressure.

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

Description of first aid measures

General advice
When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

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.

Skin contact
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.

Eye contact
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.

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.

Most important symptoms and effects, both acute and delayed

Symptoms
To date no symptoms are known.

Indication of any immediate medical attention and special treatment needed

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

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Suitable
Water, Carbon dioxide (CO2), Dry chemical, Foam

Unsuitable
None known.

Special hazards arising from the substance or mixture
Product is contained in a pressurised container which may explode on heating.

Advice for firefighters

Special protective equipment for fire-fighters
Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

Further information
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.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point</td>
<td>93.3 °C</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>no data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>no data available</td>
</tr>
<tr>
<td>Explosivity</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Precautions: Remove all sources of ignition. Avoid contact with spilled product or contaminated surfaces. Isolate hazard area. Keep unauthorized people away.

Methods and materials for containment and cleaning up

Methods for cleaning up: 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

Precautions for safe handling

Advice on safe handling: Contents under pressure. Use only in area provided with appropriate exhaust ventilation.

Advice on protection against fire and explosion: 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.

Hygiene measures: Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.

Conditions for safe storage, including any incompatibilities:
**Requirements for storage areas and containers**

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.

---

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

**Control parameters**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imidacloprid</td>
<td>138261-41-3</td>
<td>0.7 mg/m³ (TWA)</td>
<td></td>
<td>OES BCS*</td>
</tr>
<tr>
<td>Imidacloprid</td>
<td>138261-41-3</td>
<td>5 ug/m³ (AN ESL)</td>
<td>07 2011</td>
<td>TX ESL</td>
</tr>
<tr>
<td>Imidacloprid</td>
<td>138261-41-3</td>
<td>50 ug/m³ (ST ESL)</td>
<td>07 2011</td>
<td>TX ESL</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>1,000 ppm (TWA)</td>
<td>02 2012</td>
<td>ACGIH</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>1,000 ppm (STEL)</td>
<td>02 2012</td>
<td>ACGIH NIC</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>1,900 mg/m³ / 800 ppm (REL)</td>
<td>2010</td>
<td>NIOSH</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>800 ppb (AN ESL)</td>
<td>07 2011</td>
<td>TX ESL</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>2040 ppb (ST ESL)</td>
<td>07 2011</td>
<td>TX ESL</td>
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<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>1900 ug/m³ (AN ESL)</td>
<td>07 2011</td>
<td>TX ESL</td>
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<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>4800 ug/m³ (ST ESL)</td>
<td>07 2011</td>
<td>TX ESL</td>
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<tr>
<td>Glycerine (Mist.)</td>
<td>56-81-5</td>
<td>10 mg/m³ (TWA)</td>
<td>02 2012</td>
<td>ACGIH</td>
</tr>
<tr>
<td>Glycerine (Total dust.)</td>
<td>56-81-5</td>
<td>15 mg/m³ (PEL)</td>
<td>02 2006</td>
<td>OSHA Z1</td>
</tr>
<tr>
<td>Glycerine (Respirable fraction.)</td>
<td>56-81-5</td>
<td>5 mg/m³ (PEL)</td>
<td>02 2006</td>
<td>OSHA Z1</td>
</tr>
<tr>
<td>Glycerine (Total dust.)</td>
<td>56-81-5</td>
<td>10 mg/m³ (TWA)</td>
<td>1989</td>
<td>OSHA Z1A</td>
</tr>
<tr>
<td>Glycerine (Respirable fraction.)</td>
<td>56-81-5</td>
<td>5 mg/m³ (TWA)</td>
<td>1989</td>
<td>OSHA Z1A</td>
</tr>
<tr>
<td>Glycerine (Total dust and mist.)</td>
<td>56-81-5</td>
<td>10 mg/m³ (TWA)</td>
<td>06 2008</td>
<td>TN OEL</td>
</tr>
</tbody>
</table>
**BAYER ADVANCED TERMITE & CARPENTER BEE KILLER**

**PLUS FOAM**

<table>
<thead>
<tr>
<th>Glycerine</th>
<th>56-81-5</th>
<th>5 mg/m³ (TWA)</th>
<th>06 2008</th>
<th>TN OEL</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Respirable fraction and dust or fume.</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerine</td>
<td>56-81-5</td>
<td>5 µg/m³ (AN ESL)</td>
<td>03 2012</td>
<td>TX ESL</td>
</tr>
<tr>
<td>Glycerine</td>
<td>56-81-5</td>
<td>100 µg/m³ (AN ESL)</td>
<td>03 2012</td>
<td>TX ESL</td>
</tr>
<tr>
<td>Glycerine</td>
<td>56-81-5</td>
<td>50 µg/m³ (ST ESL)</td>
<td>03 2012</td>
<td>TX ESL</td>
</tr>
<tr>
<td>Glycerine</td>
<td>56-81-5</td>
<td>1000 µg/m³ (ST ESL)</td>
<td>03 2012</td>
<td>TX ESL</td>
</tr>
</tbody>
</table>

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

**Exposure controls**

**Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

**Respiratory protection**

Respiratory protection is not required under anticipated circumstances of exposure.

**Hand protection**

Chemical resistant nitrile rubber gloves

**Eye protection**

Safety glasses with side-shields

**Skin and body protection**

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

**General protective measures**

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.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

white

**Physical State**

Foam

**Odor**

almost odourless

**Odour Threshold**

no data available

**pH**

5.0 - 7.0 (10 %)

**Vapor Pressure**

no data available
**Bayer Environmental Science**
SAFETY DATA SHEET

**BAYER ADVANCED TERMITE & CARPENTER BEE KILLER**
PLUS FOAM

**Vapor Density (Air = 1)**  
no data available

**Density**  
ca. 1.01 g/cm³ at 20 °C

**Evaporation rate**  
no data available

**Boiling Point**  
no data available

**Melting / Freezing Point**  
no data available

**Water solubility**  
soluble

**Minimum Ignition Energy**  
no data available

**Decomposition temperature**  
no data available

**Partition coefficient: n-octanol/water**  
no data available

**Viscosity**  
3 mPa.s at 25 °C

**Flash point**  
93.3 °C

**Autoignition temperature**  
no data available

**Lower explosion limit**  
no data available

**Upper explosion limit**  
no data available

**Explosivity**  
not applicable

---

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity**

**Thermal decomposition**  
no data available

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

**Possibility of hazardous reactions**  
No hazardous reactions when stored and handled according to prescribed instructions.

**Conditions to avoid**  
Heat, flames and sparks.
Incompatible materials:  no data available

Hazardous decomposition products:
Thermal decomposition can lead to release of:
- Hydrogen cyanide (hydrocyanic acid)
- Carbon oxides
- Nitrogen oxides (NOx)

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes:
Skin contact, Ingestion, Eye contact

Immediate Effects
- **Eye**: No eye irritation
- **Skin**: May cause slight irritation.
- **Ingestion**: Harmful if swallowed.

Information on toxicological effects:

- **Acute oral toxicity**: LD50 (female rat) > 5,000 mg/kg
- **Acute inhalation toxicity**: Cannot be prepared and tested in a respirable form. no data available
- **Acute dermal toxicity**: LD50 (male/female combined rat) > 5,000 mg/kg
- **Skin irritation**: Slight irritation (rabbit)
- **Eye irritation**: No eye irritation (rabbit)
- **Sensitisation**: Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test

Assessment repeated dose toxicity:
Imidacloprid did not cause specific target organ toxicity in experimental animal studies.

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

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

ACGIH
None.

NTP
None.
IARC
None.

OSHA
None.

Assessment toxicity to reproduction
Imidacloprid caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Imidacloprid is related to parental toxicity.

Assessment developmental toxicity
Imidacloprid caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Imidacloprid are related to maternal toxicity.

Further information
Only acute toxicity studies have been performed on the formulated product. The non-acute information pertains to the active ingredient(s).

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish
 LC50 (Rainbow trout (Oncorhynchus mykiss)) 211 mg/l
 Exposure time: 96 h
 The value mentioned relates to the active ingredient imidacloprid.

Toxicity to aquatic invertebrates
 EC50 (Water flea (Daphnia magna)) 85 mg/l
 Exposure time: 48 h
 The value mentioned relates to the active ingredient imidacloprid.

 LC50 (Chironomus riparius (non-biting midge)) 0.0552 mg/l
 Exposure time: 24 h
 The value mentioned relates to the active ingredient imidacloprid.

Toxicity to aquatic plants
 EC50 (Desmodesmus subspicatus) > 10 mg/l
 Growth rate; Exposure time: 72 h
 The value mentioned relates to the active ingredient imidacloprid.

Biodegradability
 Imidacloprid: not rapidly biodegradable

Koc
 Imidacloprid: Koc:225

Bioaccumulation
 Imidacloprid: Does not bioaccumulate.

Mobility in soil
 Imidacloprid: Moderately mobile in soils
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.
Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods
Product
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.

Contaminated packaging
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
Proper shipping name AEROSOLS

IMDG
UN number 1950
Class 2.2
Packaging group
Marine pollutant NO
Proper shipping name AEROSOLS

IATA
UN number 1950
Class 2.2
Packaging group
Environm. Hazardous Mark NO
Proper shipping name 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.

SECTION 15: REGULATORY INFORMATION

**EPA Registration No.** 72155-111

**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 CT, MN, NJ
- Glycerine 56-81-5 MN, RI

**Canadian Regulations**

**Canadian Domestic Substance List**
- Isobutane 75-28-5
- Glycerine 56-81-5
- Fatty alcohol ethoxylate 66455-15-0

**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
- Glycerine 56-81-5

**EPA/FIFRA Information:**
Bayer Environmental Science
SAFETY DATA SHEET

BAYER ADVANCED TERMITE & CARPENTER BEE KILLER
PLUS FOAM

Version 3 / USA
102000011452

Revision Date: 10/16/2013
Print Date: 12/21/2015

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

Signal word: Caution!

Hazard statements: Harmful if swallowed.
Avoid contact with skin, eyes and clothing.
Wash thoroughly with soap and water after handling.

SECTION 16: OTHER INFORMATION

NFPA 704 (National Fire Protection Association):
Health - 1  Flammability - 2  Instability - 1  Others - none

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: Revised according to the current OSHA Hazard Communication Standard (29CFR1910.1200)

Revision Date: 10/16/2013

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions. The product names are registered trademarks of Bayer.