



Safety Data Sheet

MAXFORCE® QUANTUM ANT BAIT

SDS Number: 102000018213

SDS Version 1.1

Revision Date: 04/22/2013

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**SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

Product name MAXFORCE® QUANTUM ANT BAIT  
SDS Number 102000018213  
Product code (UVP) 79212690  
PCP Registration No. 30513  
Product Use Insecticide, Ant killer

Bayer CropScience Inc  
#200, 160 Quarry Park Blvd, SE  
Calgary, Alberta T2C 3G3  
Canada

For MEDICAL, TRANSPORTATION or other EMERGENCY call: 1-800-334-7577 (24 hours/day)  
For Product Information call: 1-888-283-6847

**SECTION 2. HAZARDS IDENTIFICATION**

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

**Emergency Overview** Caution! Harmful if swallowed or absorbed through skin. Moderate eye irritation. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before re-use.

**Physical State** highly viscous gel

**Odor** weak characteristic

**Appearance** colourless to light yellow

**Exposure routes** Skin contact, Skin Absorption, Eye contact

**Immediate Effects**

**Eye** Moderate eye irritation. Do not get in eyes.

**Skin** Harmful if absorbed through skin. Avoid contact with skin and clothing.

**Chronic or Delayed Long-Term**

This product or its components may have target organ effects.



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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	0.03

**SECTION 4. FIRST AID MEASURES**

<b>General</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment. The nature of this product, when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled nevertheless, the following advice is applicable.
<b>Eye</b>	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.
<b>Skin</b>	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.
<b>Ingestion</b>	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.
<b>Notes to physician</b>	
<b>Signs and Symptoms</b>	No symptoms known or expected.
<b>Treatment</b>	There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

**SECTION 5. FIRE FIGHTING MEASURES**

<b>Flash point</b>	No flash point - Determination conducted up to the boiling point.
<b>Autoignition temperature</b>	no data available
<b>Lower Flammability Limit</b>	no data available
<b>Upper Flammability Limit</b>	no data available
<b>Explosiveness</b>	Not explosive 92/69/EEC, A.14 / OECD 113



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<b>Fire and Explosion Hazards</b>	In the event of fire the following may be released: Carbon monoxide (CO)
<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable extinguishing media</b>	High volume water jet
<b>Fire Fighting Instructions</b>	Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.  In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.
<b>Methods for cleaning up</b>	The nature of this product, when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled nevertheless, the following advice is applicable. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.
<b>Additional advice</b>	Use personal protective equipment. Do not allow to enter soil, waterways or waste water canal.

**SECTION 7. HANDLING AND STORAGE**

<b>Handling procedures</b>	No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.  No special precautions required.
<b>Storing Procedures</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Store in a place accessible by authorized persons only. Protect from frost. Keep away from direct sunlight.  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. Keep out of the reach of children.  Keep away from food, drink and animal feedingstuffs.



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**Work/Hygienic Procedures**      Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).

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 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.

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

**Eye/Face Protection**      Safety glasses with side-shields  
or  
Goggles

**Hand protection**      Chemical resistant nitrile rubber gloves

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

**Respiratory protection**      No personal respiratory protective equipment normally required. When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

**Exposure Limits**

Imidacloprid	138261-41-3	OES BCS*	TWA	0.7 mg/m3
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\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**      colourless to light yellow

**Physical State**      highly viscous gel

**Odor**      weak characteristic

**pH**      4.0 - 6.0 (10 %) at 23 °C

**Vapor Pressure**      no data available



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Vapor Density (Air = 1)	no data available
Density	ca. 1.43 g/cm <sup>3</sup> 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	not applicable
Decomposition temperature	210 °C Exothermic decomposition. The value mentioned relates to the active ingredient.
Partition coefficient: n-octanol/water	no data available
Viscosity	>= 5,400 mPa.s at 20 °C Velocity gradient 80 /s
Other information	Further safety related physical-chemical data are not known.

## SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	Extremes of temperature and direct sunlight.
Incompatibility	Store only in the original container.
Hazardous Decomposition Products	No decomposition products expected under normal conditions of use.
Hazardous reactions	No dangerous reaction known under conditions of normal use.

## SECTION 11. TOXICOLOGICAL INFORMATION

The non-acute information pertains to the technical-grade active ingredient.

Acute oral toxicity	rat: ATE: > 5,000 mg/kg ATE – acute toxicity estimate Calculation method
Acute dermal toxicity	rat: ATE: > 5,000 mg/kg ATE – acute toxicity estimate Calculation method



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**Acute inhalation toxicity** During intended and foreseen applications, no respirable aerosol is formed.

**Skin irritation** rabbit: No skin irritation  
Test conducted with a similar formulation.

**Eye irritation** rabbit: No eye irritation  
Test conducted with a similar formulation.

**Sensitisation** guinea pig: Non-sensitizing.  
Test conducted with a similar formulation.  
OECD Test Guideline 406, Magnusson & Kligman test

**Chronic toxicity** Imidacloprid did not cause specific target organ toxicity in experimental animal 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 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.

**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.

**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**

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

**Toxicity to aquatic plants** *Desmodesmus subspicatus*  
Growth rate  
EC50: > 10 mg/l  
Exposure time: 72 h



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The value mentioned relates to the active ingredient imidacloprid.

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

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

Stability in soil Not applicable for this mixture.

Bioaccumulation Not applicable for this mixture.

Environmental precautions Do not allow to get into surface water, drains and ground water.

Ecological Information No other effects to be mentioned.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance Dispose in accordance with all local, state/provincial and federal regulations. Do not dispose of waste into sewer.

Container Disposal Do not re-use empty containers. Consult state and local regulations regarding the proper disposal of container. Do not puncture or incinerate container.

SECTION 14. TRANSPORT INFORMATION

According to national and international transport regulations this material is not classified as dangerous goods / hazardous material.

SECTION 15. REGULATORY INFORMATION

- PCP Registration No. 30513
US Federal Regulations
TSCA list None.
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**

None.

**Environmental**

**CERCLA**

None.

**Clean Water Section 307 Priority Pollutants**

None.

**Safe Drinking Water Act Maximum Contaminant Levels**

None.

**SECTION 16. OTHER INFORMATION**

**NFPA 704 (National Fire Protection Association):**

Health - 1      Flammability - 1      Instability - 0      Others - none

**HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)**

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

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Reason for Revision: Reviewed and updated for general editorial purposes.

Prepared by the HSE Department of Bayer CropScience Inc. (306)-721-0310.

Revision Date: 04/22/2013

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