



MAXFORCE® QUANTUM ANT BAIT

Version 3.0 / USA
102000018213

1/11
Revision Date: 10/08/2015
Print Date: 10/09/2015

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

Product identifier

Trade name MAXFORCE® QUANTUM ANT BAIT
Product code (UVP) 79212690
SDS Number 102000018213
EPA Registration No. 432-1506

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

Use Insecticide, Ant killer
Restrictions on use See product label for restrictions.

Information on supplier

Supplier Bayer Environmental Science
2 T.W. Alexander Drive
Research Triangle PK, NC 27709
United States
Responsible Department Email: SDSINFO.BCS-NA@bayer.com
Emergency telephone no.
Emergency Telephone Number (24hr/ 7 days) 1-800-334-7577
Product Information Telephone Number 1-800-331-2867

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

No particular hazards known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Component Name | CAS-No. | Concentration % by weight |
|--------------------------|-------------|---------------------------|
| Imidacloprid | 138261-41-3 | 0.03 |



MAXFORCE® QUANTUM ANT BAIT

Version 3.0 / USA
102000018213

2/11
Revision Date: 10/08/2015
Print Date: 10/09/2015

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. 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. |
| 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 | If large amounts are ingested, the following symptoms may occur: Dizziness, Abdominal pain, Nausea Symptoms and hazards refer to effects observed after intake of significant amounts of the active ingredient(s). Due to its low concentration intake of a hazardous amount of active ingredient from this formulation is unlikely. |
|-----------------|---|

Indication of any immediate medical attention and special treatment needed

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

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

| | |
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| Suitable | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Unsuitable | High volume water jet |



MAXFORCE® QUANTUM ANT BAIT

Version 3.0 / USA
102000018213

3/11
Revision Date: 10/08/2015
Print Date: 10/09/2015

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| Special hazards arising from the substance or mixture | Dangerous gases are evolved in the event of a fire. |
| Advice for firefighters | |
| Special protective equipment for fire-fighters | In the event of fire and/or explosion do not breathe fumes. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing. |
| Further information | Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses. |
| Flash point | No flash point - Determination conducted up to the boiling point. |
| Autoignition temperature | no data available |
| Lower explosion limit | no data available |
| Upper explosion limit | no data available |
| Explosivity | Not explosive 92/69/EEC, A.14 / OECD 113 |

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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

Methods and materials for containment and cleaning up

Methods for cleaning up 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.

Additional advice Use personal protective equipment. Do not allow to enter soil, waterways or waste water canal.

Reference to other sections Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

**MAXFORCE® QUANTUM ANT BAIT**Version 3.0 / USA
102000182134/11
Revision Date: 10/08/2015
Print Date: 10/09/2015

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| Advice on safe handling | No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. For personal protection see section 8. |
| Advice on protection against fire and explosion | Do not use this product in or on electrical equipment due to the possibility of shock hazard. Keep away from heat and sources of ignition. |
| 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. Remove Personal Protective Equipment (PPE) immediately after handling this product. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing. |
| 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. Store in original container and out of the reach of children, preferably in a locked storage area. 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. |
| Advice on common storage | Keep away from food, drink and animal feedingstuffs. |

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

| Components | CAS-No. | Control parameters | Update | Basis |
|-----------------------------------|-------------|---------------------|---------|----------|
| Imidacloprid | 138261-41-3 | 50ug/m3 (ST ESL) | 07 2011 | TX ESL |
| Imidacloprid | 138261-41-3 | 5ug/m3 (AN ESL) | 07 2011 | TX ESL |
| Imidacloprid | 138261-41-3 | 0.7 mg/m3 (TWA) | | OES BCS* |
| Sucrose | 57-50-1 | 10 mg/m3 (TWA) | 02 2012 | ACGIH |
| Sucrose (Total) | 57-50-1 | 10 mg/m3 (REL) | 2010 | NIOSH |
| Sucrose (Respirable.) | 57-50-1 | 5 mg/m3 (REL) | 2010 | NIOSH |
| Sucrose (Respirable fraction.) | 57-50-1 | 5 mg/m3 (PEL) | 02 2006 | OSHA Z1 |
| Sucrose (Total dust.) | 57-50-1 | 15 mg/m3 (PEL) | 02 2006 | OSHA Z1 |
| Sucrose (Respirable fraction.) | 57-50-1 | 5 mg/m3 (TWA) | 1989 | OSHA Z1A |

**MAXFORCE® QUANTUM ANT BAIT**Version 3.0 / USA
1020000182135/11
Revision Date: 10/08/2015
Print Date: 10/09/2015

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|-----------------------------------|---------|---------------------------------|---------|----------|
| Sucrose (Total dust.) | 57-50-1 | 15 mg/m ³ (TWA) | 1989 | OSHA Z1A |
| Sucrose (Total dust.) | 57-50-1 | 15 mg/m ³ (TWA) | 06 2008 | TN OEL |
| Sucrose (Respirable fraction.) | 57-50-1 | 5 mg/m ³ (TWA) | 06 2008 | TN OEL |
| Sucrose | 57-50-1 | 5ug/m ³ (AN ESL) | 03 2014 | TX ESL |
| Sucrose | 57-50-1 | 50ug/m ³ (ST ESL) | 03 2014 | TX ESL |

*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

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.

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 | colourless to light yellow |
| Physical State | gel |
| Odor | weak characteristic |
| Odour Threshold | no data available |
| pH | 4.0 - 6.0 at 10 % (23 °C) (deionized water) |
| Vapor Pressure | no data available |
| Vapor Density (Air = 1) | no data available |
| Density | ca. 1.43 g/cm ³ at 20 °C |
| Evaporation rate | no data available |
| Boiling Point | no data available |
| Melting / Freezing Point | no data available |



MAXFORCE® QUANTUM ANT BAIT

Version 3.0 / USA
102000018213

6/11
Revision Date: 10/08/2015
Print Date: 10/09/2015

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|---|---|
| Water solubility | soluble |
| Minimum Ignition Energy | not applicable |
| Decomposition temperature | not applicable |
| Partition coefficient: n-octanol/water | not applicable |
| Viscosity | $\geq 5,400$ mPa.s at 20 °C Velocity gradient 80 /s |
| Flash point | No flash point - Determination conducted up to the boiling point. |
| Autoignition temperature | no data available |
| Lower explosion limit | no data available |
| Upper explosion limit | no data available |
| Explosivity | Not explosive 92/69/EEC, A.14 / OECD 113 |
| Other information | Further safety related physical-chemical data are not known. |

SECTION 10: STABILITY AND REACTIVITY

Reactivity

| | |
|---|--|
| Thermal decomposition | not applicable |
| 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 | Extremes of temperature and direct sunlight. |
| Incompatible materials | no data available |
| Hazardous decomposition products | No decomposition products expected under normal conditions of use. |

SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|--------------------------|---|
| Exposure routes | Skin Absorption, Eye contact, Ingestion |
| Immediate Effects | |
| Eye | Moderate eye irritation. |
| Skin | Harmful if absorbed through skin. |
| Ingestion | Harmful if swallowed. |



MAXFORCE® QUANTUM ANT BAIT

Version 3.0 / USA
102000018213

7/11
Revision Date: 10/08/2015
Print Date: 10/09/2015

Information on toxicological effects

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|----------------------------------|--|
| Acute oral toxicity | LD50 (rat) > 2,500 mg/kg Test conducted with a similar formulation. |
| Acute inhalation toxicity | no data available |
| Acute dermal toxicity | LD50 (rat) > 2,000 mg/kg Test conducted with a similar formulation. |
| Skin irritation | No skin irritation (rabbit) Test conducted with a similar formulation. |
| Eye irritation | No eye irritation (rabbit) Test conducted with a similar formulation. |
| Sensitisation | Non-sensitizing. (guinea pig) OECD Test Guideline 406, Magnusson & Kligman test Test conducted with a similar formulation. |

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

**MAXFORCE® QUANTUM ANT BAIT**Version 3.0 / USA
1020000182138/11
Revision Date: 10/08/2015
Print Date: 10/09/2015

Acute toxicity studies have not been performed on this product as formulated.
Acute toxicity studies have been bridged from a similar formulation(s).
The non-acute information pertains to the active ingredient(s).

SECTION 12: ECOLOGICAL INFORMATION

| | |
|--|--|
| Toxicity to fish | LC50 (Oncorhynchus mykiss (rainbow trout)) 211 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient imidacloprid. |
| Toxicity to aquatic invertebrates | EC50 (Daphnia magna (Water flea)) 85 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient imidacloprid. EC10 (Chironomus riparius (non-biting midge)) 0,87 µg/l Exposure time: 28 d The value mentioned relates to the active ingredient imidacloprid. |
| Toxicity to aquatic plants | EC50 (Desmodesmus subspicatus (green algae)) > 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 |
| Additional ecological information | No other effects to be mentioned. |
| Environmental precautions | Do not allow to get into surface water, drains and ground water. |

SECTION 13: DISPOSAL CONSIDERATIONS**Waste treatment methods**

| | |
|-------------------------------|---|
| Product | Dispose in accordance with all local, state/provincial and federal regulations. Never place unused product down any indoor or outdoor drain. Follow advice on product label and/or leaflet. |
| Contaminated packaging | Do not re-use empty containers. Follow advice on product label and/or leaflet. |



MAXFORCE® QUANTUM ANT BAIT

Version 3.0 / USA
102000018213

9/11
Revision Date: 10/08/2015
Print Date: 10/09/2015

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 Not dangerous goods / not hazardous material

IMDG

UN number **3077**
Class **9**
Packaging group **III**
Marine pollutant **YES**
Proper shipping name **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE)**

IATA

UN number **3077**
Class **9**
Packaging group **III**
Environm. Hazardous Mark **YES**
Proper shipping name **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE)**

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: **INSECTICIDES OR FUNGICIDES, N.O.I., OTHER THAN POISON**

SECTION 15: REGULATORY INFORMATION

EPA Registration No. 432-1506

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

None.

US States Regulatory Reporting



MAXFORCE® QUANTUM ANT BAIT

Version 3.0 / USA
102000018213

10/11
Revision Date: 10/08/2015
Print Date: 10/09/2015

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.

EPA/FIFRA Information:

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 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.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

| | |
|---------|--|
| 49CFR | Code of Federal Regulations, Title 49 |
| ACGIH | US. ACGIH Threshold Limit Values |
| CAS-Nr. | Chemical Abstracts Service number |
| EINECS | European inventory of existing commercial substances |
| ELINCS | European list of notified chemical substances |
| IARC | US. IARC Monographs on Occupational Exposures to Chemical Agents |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| N.O.S. | Not otherwise specified |

Bayer Environmental Science

SAFETY DATA SHEET



MAXFORCE® QUANTUM ANT BAIT

Version 3.0 / USA
102000018213

11/11

Revision Date: 10/08/2015

Print Date: 10/09/2015

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|------|---|
| NTP | US. National Toxicology Program (NTP) Report on Carcinogens |
| OECD | Organization for Economic Co-operation and Development |
| TDG | Transportation of Dangerous Goods |
| TWA | Time weighted average |
| UN | United Nations |
| WHO | World health organisation |

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: Revised according to the current OSHA Hazard Communication Standard (29CFR1910.1200) The following sections have been revised: Section 5: Fire Fighting Measures. Section 8: Exposure Controls / Personal Protection. Section 11: Toxicological Information. Section 13. Disposal considerations. Section 14: Transport Information. Section 16: Other Information.

Revision Date: 10/08/2015

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