

**MAXFORCE QUANTUM**Version 3 / GB  
1020000182131/7  
Revision Date: 24.06.2009  
Print Date: 05.07.2011**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name MAXFORCE QUANTUM  
Product code (UVP) 79212690  
Usage Insecticide, Ant killer  
Company Bayer Environmental Science  
230 Cambridge Science Park  
Milton Road  
Cambridge  
Cambridgeshire CB4 0WB  
Great Britain

Telephone +44(0)1223 226500  
Telefax +44(0)1223 426240  
Responsible Department Email: ukinfo@bayercropscience.com

Emergency telephone number 0800-220876 (UK 24 hr)  
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**2. HAZARDS IDENTIFICATION****Risk advice to man and the environment**

|| Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**

Bait (ready for use) (RB)  
Imidacloprid 0,03%

**Hazardous components**

| Chemical Name | CAS-No. / EC-No.         | Symbol(s) | R-phrase(s) | Concentration [%] |
|---------------|--------------------------|-----------|-------------|-------------------|
| Imidacloprid  | 138261-41-3<br>428-040-8 | Xn        | R22, R52    | 0.03              |
| Sucrose       | 57-50-1<br>200-334-9     |           |             | > 1.00            |

For the full text of the R-phrases mentioned in this Section, see Section 16.

**4. FIRST AID MEASURES****General advice**

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. Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.



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### Skin contact

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

### Eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.

### Ingestion

Induce vomiting only, if: 1. patient is fully conscious, 2. medical aid is not readily available, 3. a significant amount (more than a mouthful) has been ingested and 4. time since ingestion is less than 1 hour. (Vomit should not get into the respiratory tract.) Rinse mouth. Call a physician or poison control center immediately.

### Notes to Physician

#### Treatment

Treat symptomatically.

Monitor: respiratory and cardiac functions.

Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate.

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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Extinguishing media which should not be used for safety reasons

High volume water jet

### Specific hazards during fire fighting

In the event of fire the following may be released:  
Carbon monoxide (CO)

### Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.

In the event of fire, wear self-contained breathing apparatus.

### Further information

Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.

Whenever possible, contain fire-fighting water by diking area with sand or earth.

Do not allow run-off from fire fighting to enter drains or water courses.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions

Avoid contact with spilled product or contaminated surfaces.

Use personal protective equipment.

Keep unauthorized people away.

### Environmental Precautions

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

If spillage enters drains leading to sewage works inform local water company immediately.

If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

### Methods for cleaning up

The nature of this product, when contained in commercial packs, makes spillage unlikely.

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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).  
Clean contaminated floors and objects thoroughly, observing environmental regulations.  
Keep in suitable, closed containers for disposal.

**Additional Advice**

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

**7. HANDLING AND STORAGE****Handling**

Advice on safe handling

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

**Storage**

Requirements for storage areas and containers

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.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Storage stability

Storage temperature                      0 - 40 °C

Suitable materials

HDPE (high density polyethylene)

Polypropylene

Aluminium composite film (min. 0,007 mm Aluminium)

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

**Components with workplace control parameters**

| Components   | CAS-No.     | Control parameters             | Update | Basis    |
|--------------|-------------|--------------------------------|--------|----------|
| Imidacloprid | 138261-41-3 | 0.7 mg/m <sup>3</sup>          |        | OES BCS* |
| Sucrose      | 57-50-1     | 10 mg/m <sup>3</sup><br>(TWA)  | 2005   | EH40 WEL |
| Sucrose      | 57-50-1     | 20 mg/m <sup>3</sup><br>(STEL) | 2005   | EH40 WEL |

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

**Personal protective equipment**

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

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the following recommendations would apply.

|                          |  |
|--------------------------|--|
| Respiratory Protection   | No personal respiratory protective equipment normally required. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.                      |
| Hand protection          | Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.  |
| Eye protection           | Wear goggles conforming to EN166 (Field of Use 5 or equivalent).   |
| Skin and body protection | Wear standard coverall and type 6 suit.<br>Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.<br>If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer. |
| Hygiene measures         | When using, do not eat, drink or smoke.<br>Wash hands immediately after work, if necessary take a shower.<br>Remove soiled clothing immediately and clean thoroughly before using again.   |

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**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

|        |                         |
|--------|-------------------------|
| Form   | highly viscous, gel     |
| Colour | colourless to yellowish |
| Odour  | weak, characteristic    |

**Safety data**

|                          |   |
|--------------------------|---|
| pH                       | 4 - 6 at 10 % (23 °C)   |
| Flash point              | No flash point - Determination conducted up to the boiling point. |
| Autoignition Temperature | 380 °C  |
| Density                  | approx. 1.43 g/cm <sup>3</sup> at 20 °C                           |
| Viscosity, dynamic       | approx. 6,900 mPa.s at 20 °C<br>Velocity gradient 80 /s           |
| Oxidizing properties     | No oxidizing properties   |
| Explosivity              | Not explosive.  |

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|                     |  |
|---------------------|--|
| Conditions to Avoid | Extremes of temperature and direct sunlight.   |
| Hazardous Reactions | No hazardous reactions when stored and handled according to prescribed instructions.<br>Stable under recommended storage conditions. |

**11. TOXICOLOGICAL INFORMATION**

|                       |  |
|-----------------------|--|
| Acute Oral Toxicity   | LD50 (rat) > 2,500 mg/kg<br>Test conducted with a similar formulation.   |
| Acute Dermal Toxicity | LD50 (rat) > 2,000 mg/kg<br>Test conducted with a similar formulation.   |
| Skin Irritation       | No skin irritation. (rabbit)<br>Test conducted with a similar formulation.   |
| Eye Irritation        | No eye irritation. (rabbit)<br>Test conducted with a similar formulation.  |
| Sensitization         | Non-sensitizing. (guinea pig)<br>OECD Test Guideline 406, Magnusson & Kligman test<br>Test conducted with a similar formulation. |

**12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

|                     |   |
|---------------------|---|
| Toxicity to Fish    | LC50 (Rainbow trout ( <i>Oncorhynchus mykiss</i> )) 211 mg/l<br>Exposure time: 96 h<br>The value mentioned relates to the active ingredient.      |
| Toxicity to daphnia | EC50 (Water flea ( <i>Daphnia magna</i> )) 85 mg/l<br>Exposure time: 48 h<br>The value mentioned relates to the active ingredient.                |
| Toxicity to daphnia | LC50 ( <i>Chironomus riparius</i> (non-biting midge)) 0.0552 mg/l<br>Exposure time: 24 h<br>The value mentioned relates to the active ingredient. |
| Toxicity to algae   | EC50 ( <i>Desmodesmus subspicatus</i> ) > 10 mg/l<br>Growth rate; Exposure time: 72 h<br>The value mentioned relates to the active ingredient.    |

**13. DISPOSAL CONSIDERATIONS**



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### Product

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

### Contaminated packaging

Empty remaining contents.

Do not use containers for other products.

Rinsed packaging may be acceptable for landfill, otherwise incineration will be required in accordance with local regulations.

Not completely emptied packagings should be disposed of as hazardous waste.

### Waste key for the unused product

020108 agrochemical waste containing dangerous substances

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## 14. TRANSPORT INFORMATION

According to national and international transport regulations not classified as dangerous goods.

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

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## 15. REGULATORY INFORMATION

**This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3 and any subsequent amendments.**

Classification:

|| Hazard warning labelling compulsory

Hazardous components which must be listed on the label:

- Imidacloprid

R-phrases(s)

|| R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### CLASSIFICATION ACCORDING TO SPECIFIC UK REGULATIONS:

**The labelling information below is that which has been approved under 'The Control of Pesticides Regulations 1986' and/or 'Part III of the Food and Environment Protection Act 1985' and/or 'Plant Protection Product Regulations 1999' and any subsequent amendments and may differ from that indicated by any toxicological and/or other testing otherwise indicated in this 'Safety Data Sheet'.**

S-phrases(s)

|        |  |
|--------|--|
| S 2    | Keep out of the reach of children.                   |
| S13    | Keep away from food, drink and animal feedingstuffs. |
| S20/21 | When using do not eat, drink or smoke.               |

Exceptional labelling

To avoid risks to man and the environment, comply with the instructions for use.

Further information

WHO-classification: III (Slightly hazardous)



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### 16. OTHER INFORMATION

#### Further information

Text of R-phrases mentioned in Section 3

|     |                               |
|-----|-------------------------------|
| R22 | Harmful if swallowed.         |
| R52 | Harmful to aquatic organisms. |

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.