



**MAXFORCE® IMPACT™ ROACH GEL BAIT**

Version 1.0 / USA  
102000027617

1/10  
Revision Date: 05/20/2014  
Print Date: 05/20/2014

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

**Product identifier**

**Trade name** MAXFORCE® IMPACT™ ROACH GEL BAIT  
**Product code (UVP)** 80915004  
**SDS Number** 102000027617  
**EPA Registration No.** 432-1531  
**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 Number (24hr/ 7 days)** 1-800-334-7577 (24 hours/day)

**Product Information Telephone Number** 1-800-331-2867

**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**

No particular hazards known.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Component Name	CAS-No.	Average % by Weight
Clothianidin	210880-92-5	1.00
Glycerine	56-81-5	10.17



**MAXFORCE® IMPACT™ ROACH GEL BAIT**

Version 1.0 / USA  
102000027617

2/10  
Revision Date: 05/20/2014  
Print Date: 05/20/2014

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**SECTION 4: FIRST AID MEASURES**

**Description of first aid measures**

<b>General advice</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Inhalation</b>	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No symptoms known or expected.

**Indication of any immediate medical attention and special treatment needed**

**Treatment** There is no specific antidote. Treat symptomatically. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.

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**SECTION 5: FIREFIGHTING MEASURES**

**Extinguishing media**

**Suitable** Water spray, Carbon dioxide (CO<sub>2</sub>), Foam, Sand

**Unsuitable** None known.

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

**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 data available

**Autoignition temperature** no data available



**MAXFORCE® IMPACT™ ROACH GEL BAIT**

Version 1.0 / USA  
102000027617

3/10  
Revision Date: 05/20/2014  
Print Date: 05/20/2014

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<b>Lower explosion limit</b>	no data available
<b>Upper explosion limit</b>	no data available
<b>Explosivity</b>	not applicable

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**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** 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.

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**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**

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

**Advice on protection against fire and explosion** Do not use this product in or on electrical equipment due to the possibility of shock hazard.

**Hygiene measures** 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.

**Conditions for safe storage, including any incompatibilities**

**Requirements for storage areas and containers** Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Keep away from direct sunlight.

**Advice on common storage** Keep away from food, drink and animal feedingstuffs.

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

**Control parameters**



**MAXFORCE® IMPACT™ ROACH GEL BAIT**

Version 1.0 / USA  
102000027617

4/10  
Revision Date: 05/20/2014  
Print Date: 05/20/2014

Components	CAS-No.	Control parameters	Update	Basis
Clothianidin	210880-92-5	2.8 mg/m3 (TWA)		OES BCS*
Glycerine (Total dust.)	56-81-5	15 mg/m3 (PEL)	02 2006	OSHA Z1
Glycerine (Respirable fraction.)	56-81-5	5 mg/m3 (PEL)	02 2006	OSHA Z1
Glycerine (Respirable fraction.)	56-81-5	5 mg/m3 (TWA)	1989	OSHA Z1A
Glycerine (Total dust.)	56-81-5	10 mg/m3 (TWA)	1989	OSHA Z1A
Glycerine (Total dust and mist.)	56-81-5	10 mg/m3 (TWA)	06 2008	TN OEL
Glycerine (Respirable fraction and dust or fume.)	56-81-5	5 mg/m3 (TWA)	06 2008	TN OEL
Glycerine (Particulate.)	56-81-5	50ug/m3 (ST ESL)	02 2013	TX ESL
Glycerine (Particulate.)	56-81-5	5ug/m3 (AN ESL)	02 2013	TX ESL
Glycerine (Vapor.)	56-81-5	100ug/m3 (AN ESL)	02 2013	TX ESL
Glycerine (Vapor.)	56-81-5	1000ug/m3 (ST ESL)	02 2013	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**

Respiratory protection is not required under anticipated circumstances of exposure.  
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**

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.



**MAXFORCE® IMPACT™ ROACH GEL BAIT**

Version 1.0 / USA  
102000027617

5/10  
Revision Date: 05/20/2014  
Print Date: 05/20/2014

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	white to beige
<b>Physical State</b>	gel
<b>Odor</b>	weak characteristic
<b>Odour Threshold</b>	no data available
<b>pH</b>	4.7 - 5.2 at 1 % (23 °C) (CIPAC D water (342ppm))
<b>Vapor Pressure</b>	no data available
<b>Vapor Density (Air = 1)</b>	no data available
<b>Density</b>	ca. 1.10 g/cm <sup>3</sup>
<b>Evaporation rate</b>	no data available
<b>Boiling Point</b>	no data available
<b>Melting / Freezing Point</b>	no data available
<b>Water solubility</b>	soluble
<b>Minimum Ignition Energy</b>	not applicable
<b>Decomposition temperature</b>	Stable under normal conditions.
<b>Partition coefficient: n-octanol/water</b>	no data available
<b>Viscosity</b>	>= 20,000 mPa.s at 20 °C Velocity gradient 10 /s
<b>Flash point</b>	no data available
<b>Autoignition temperature</b>	no data available
<b>Lower explosion limit</b>	no data available
<b>Upper explosion limit</b>	no data available
<b>Explosivity</b>	not applicable
<b>Other information</b>	Further safety related physical-chemical data are not known.

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	
<b>Thermal decomposition</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.



**MAXFORCE® IMPACT™ ROACH GEL BAIT**

Version 1.0 / USA  
102000027617

6/10  
Revision Date: 05/20/2014  
Print Date: 05/20/2014

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<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatible materials</b>	Store only in the original container.
<b>Hazardous decomposition products</b>	No decomposition products expected under normal conditions of use.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

**Exposure routes** Eye contact, Skin contact, Ingestion

**Information on toxicological effects**

**Acute oral toxicity** LD50 (rat) > 5,000 mg/kg

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

**Acute dermal toxicity** LD50 (rat) > 5,000 mg/kg

**Skin irritation** No skin irritation (rabbit)

**Eye irritation** Minimally irritating. (rabbit)

**Sensitisation** Non-sensitizing. (mouse)  
OECD Test Guideline 429, local lymph node assay (LLNA)

**Assessment repeated dose toxicity**

Clothianidin did not cause specific target organ toxicity in experimental animal studies.

**Assessment Mutagenicity**

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

**Assessment Carcinogenicity**

Clothianidin was not carcinogenic in lifetime feeding studies in rats and mice.

**ACGIH**

None.

**NTP**

None.

**IARC**

None.

**OSHA**

None.

**Assessment toxicity to reproduction**

Clothianidin caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic



**MAXFORCE® IMPACT™ ROACH GEL BAIT**

Version 1.0 / USA  
102000027617

7/10  
Revision Date: 05/20/2014  
Print Date: 05/20/2014

to the parent animals. The reproduction toxicity seen with Clothianidin is related to parental toxicity.

**Assessment developmental toxicity**

Clothianidin did not cause developmental toxicity in rats.  
Clothianidin caused developmental toxicity in rabbits only at dose levels toxic to the dams. The developmental effects seen with Clothianidin 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).

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**SECTION 12: ECOLOGICAL INFORMATION**

<b>Toxicity to fish</b>	LC50 (Rainbow trout ( <i>Oncorhynchus mykiss</i> )) > 104.2 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient clothianidin.
<b>Toxicity to aquatic invertebrates</b>	EC50 (Water flea ( <i>Daphnia magna</i> )) > 40 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient clothianidin.  EC15 ( <i>Chironomus riparius</i> (non-biting midge)) 0.00072 mg/l Exposure time: 28 d The value mentioned relates to the active ingredient clothianidin.  EC50 ( <i>Chironomus riparius</i> (non-biting midge)) 0.00106 mg/l Exposure time: 28 d The value mentioned relates to the active ingredient clothianidin.
<b>Chronic toxicity to aquatic invertebrates</b>	NOEC ( <i>Daphnia</i> ): 0.12 mg/l Exposure time: 21 d The value mentioned relates to the active ingredient clothianidin.
<b>Toxicity to aquatic plants</b>	IC50 ( <i>Pseudokirchneriella subcapitata</i> ) 70 mg/l Growth rate; Exposure time: 72 h The value mentioned relates to the active ingredient clothianidin.  EC50 ( <i>Lemna gibba</i> (duckweed)) 270 mg/l Exposure time: 14 d The value mentioned relates to the active ingredient clothianidin.
<b>Biodegradability</b>	Clothianidin: ; not rapidly biodegradable
<b>Koc</b>	Clothianidin: Koc: 84 - 345
<b>Bioaccumulation</b>	Clothianidin: ; Does not bioaccumulate.
<b>Mobility in soil</b>	Clothianidin: Moderately mobile in soils
<b>Additional ecological information</b>	No other effects to be mentioned.



**MAXFORCE® IMPACT™ ROACH GEL BAIT**

Version 1.0 / USA  
102000027617

8/10  
Revision Date: 05/20/2014  
Print Date: 05/20/2014

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

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**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Product** It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines.  
Never place unused product down any indoor or outdoor drain.

**Contaminated packaging** Not completely emptied packagings should be disposed of as hazardous waste.  
Do not re-use empty containers.  
Place empty container in trash.  
Follow advice on product label and/or leaflet.

**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.

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**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.  
(CLOTHIANIDIN MIXTURE)

**IATA**

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

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**MAXFORCE® IMPACT™ ROACH GEL BAIT**

Version 1.0 / USA  
102000027617

9/10  
Revision Date: 05/20/2014  
Print Date: 05/20/2014

**SECTION 15: REGULATORY INFORMATION**

**EPA Registration No.** 432-1531

**US Federal Regulations**

**TSCA list**

Glycerine 56-81-5

**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**

Glycerine 56-81-5 MN

**Canadian Regulations**

**Canadian Domestic Substance List**

Glycerine 56-81-5

**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)**

Glycerine 56-81-5

**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:

**Hazard statements:** Keep exposed gel away from open food and food contact surfaces.

**SECTION 16: OTHER INFORMATION**

Bayer Environmental Science  
SAFETY DATA SHEET



**MAXFORCE® IMPACT™ ROACH GEL BAIT**

Version 1.0 / USA  
102000027617

10/10  
Revision Date: 05/20/2014  
Print Date: 05/20/2014

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

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

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

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

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

**Reason for Revision:** New Safety Data Sheet.

**Revision Date:** 05/20/2014

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