

SAFETY DATA SHEET



MAXFORCE® IMPACT COCKROACH BAIT GEL

Version 2.0 / CDN
102000027617

1/11
Revision Date: 04/13/2016
Print Date: 04/13/2016

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

Product identifier

Trade name MAXFORCE® IMPACT COCKROACH BAIT GEL

Product code (UVP) 80915004

SDS Number 102000027617

PCP Registration No. 32275

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

Use Insecticide

Restrictions on use See product label for restrictions.

Information on supplier

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

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 1-888-283-6847

SECTION 2: HAZARDS IDENTIFICATION

Classified in accordance with Part 2 of the Hazardous Products Regulations

This material is not hazardous under the criteria of Part 2 of the Hazardous Products Regulation.

Hazards Not Otherwise Classified (HNOC)

No physical hazards not otherwise classified.
No health hazards not otherwise classified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Clothianidin	210880-92-5	1.0
Glycerine	56-81-5	10.2

SAFETY DATA SHEET



MAXFORCE® IMPACT COCKROACH BAIT GEL

Version 2.0 / CDN
102000027617

2/11
Revision Date: 04/13/2016
Print Date: 04/13/2016

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. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Rinse out mouth and give water in small sips to drink. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

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

Risks This product contains a nicotinoid.

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

Unsuitable High volume water jet

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 firefighters 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.

SAFETY DATA SHEET



MAXFORCE® IMPACT COCKROACH BAIT GEL

Version 2.0 / CDN
102000027617

3/11
Revision Date: 04/13/2016
Print Date: 04/13/2016

Flash point	98 - 101 °C No flash point - Determination conducted up to the boiling point.
Auto-ignition temperature	465 °C / 869 °F
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 Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. 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.

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

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

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 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 Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Protect from freezing.

SAFETY DATA SHEET



MAXFORCE® IMPACT COCKROACH BAIT GEL

Version 2.0 / CDN
102000027617

4/11
Revision Date: 04/13/2016
Print Date: 04/13/2016

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Clothianidin	210880-92-5	2.8 mg/m ³ (TWA)		OES BCS*
Glycerine (Mist.)	56-81-5	10 mg/m ³ (TWA)	07 2009	CAD AB OEL
Glycerine (Respirable mist.)	56-81-5	3 mg/m ³ (TWA)	09 2011	CAD BC OEL
Glycerine (Mist.)	56-81-5	10 mg/m ³ (TWA)	09 2011	CAD BC OEL
Glycerine (Mist.)	56-81-5	10 mg/m ³ (TWAEV)	11 2010	CAD ON OEL
Glycerine (Mist.)	56-81-5	20 mg/m ³ (15 MIN ACL)	05 2009	CAD SK OEL
Glycerine (Mist.)	56-81-5	10 mg/m ³ (8 HR ACL)	05 2009	CAD SK OEL
Glycerine (Mist.)	56-81-5	10 mg/m ³ (TWA)	11 2011	OEL (QUE)
Sucrose	57-50-1	10 mg/m ³ (TWA)	07 2009	CAD AB OEL
Sucrose (Total dust.)	57-50-1	10 mg/m ³ (TWA)	09 2011	CAD BC OEL
Sucrose (Respirable fraction.)	57-50-1	3 mg/m ³ (TWA)	09 2011	CAD BC OEL
Sucrose	57-50-1	10 mg/m ³ (TWA)	03 2011	CAD MB OEL
Sucrose	57-50-1	10 mg/m ³ (TWAEV)	11 2010	CAD ON OEL
Sucrose	57-50-1	10 mg/m ³ (8 HR ACL)	05 2009	CAD SK OEL
Sucrose	57-50-1	20 mg/m ³ (15 MIN ACL)	05 2009	CAD SK OEL

SAFETY DATA SHEET



MAXFORCE® IMPACT COCKROACH BAIT GEL

Version 2.0 / CDN
102000027617

5/11
Revision Date: 04/13/2016
Print Date: 04/13/2016

Sucrose	57-50-1	10 mg/m ³ (TWA)	11 2011	OEL (QUE)
---------	---------	-------------------------------	---------	-----------

*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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	white to beige
Physical State	gel
Odor	weak characteristic
Odour Threshold	No data available
pH	4.7 - 5.2 at 1 % (23 °C) (CIPAC D water (342ppm))
Vapor Pressure	No data available
Vapor Density (Air = 1)	No data available
Density	ca. 1.10 g/cm ³ at 20 °C
Evaporation rate	No data available
Boiling Point	98 - 101 °C / 208.4 - 213.8 °F
Melting / Freezing Point	No data available
Water solubility	soluble
Minimum Ignition Energy	Not applicable
Decomposition temperature	No data available

SAFETY DATA SHEET



MAXFORCE® IMPACT COCKROACH BAIT GEL

Version 2.0 / CDN
102000027617

6/11
Revision Date: 04/13/2016
Print Date: 04/13/2016

Partition coefficient: n-octanol/water	Not applicable
Viscosity	$\geq 20,000$ mPaxs at 20 °C Velocity gradient 10 /s
Flash point	98 - 101 °C No flash point - Determination conducted up to the boiling point.
Auto-ignition temperature	465 °C / 869 °F
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	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	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	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)

SAFETY DATA SHEET



MAXFORCE® IMPACT COCKROACH BAIT GEL

Version 2.0 / CDN
102000027617

7/11
Revision Date: 04/13/2016
Print Date: 04/13/2016

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 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).

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)) > 104.2 mg/l
Exposure time: 96 h
The value mentioned relates to the active ingredient clothianidin.

Toxicity to aquatic invertebrates EC50 (Daphnia magna (Water flea)) > 40 mg/l
Exposure time: 48 h
The value mentioned relates to the active ingredient clothianidin.

SAFETY DATA SHEET



MAXFORCE® IMPACT COCKROACH BAIT GEL

Version 2.0 / CDN
102000027617

8/11
Revision Date: 04/13/2016
Print Date: 04/13/2016

	EC50 (Chironomus riparius (non-biting midge)) 0.029 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient clothianidin.
Chronic toxicity to aquatic invertebrates	NOEC (Daphnia (water flea)): 0.12 mg/l Exposure time: 21 d The value mentioned relates to the active ingredient clothianidin. NOEC (Chironomus riparius (non-biting midge)): 0.00072 mg/l Exposure time: 28 d The value mentioned relates to the active ingredient clothianidin.
Toxicity to aquatic plants	EC50 (Raphidocelis subcapitata (freshwater green alga)) > 120 mg/l Growth rate; Exposure time: 72 h The value mentioned relates to the active ingredient clothianidin. EC50 (Lemna gibba (gibbous duckweed)) > 121 mg/l Exposure time: 14 d The value mentioned relates to the active ingredient clothianidin.
Biodegradability	Clothianidin: Not rapidly biodegradable
Koc	Clothianidin: Koc: 84 - 345
Bioaccumulation	Clothianidin: Does not bioaccumulate.
Mobility in soil	Clothianidin: 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	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	Do not re-use empty containers. Place empty container in trash. Follow advice on product label and/or leaflet.

SECTION 14: TRANSPORT INFORMATION

TDG

UN number

3082

SAFETY DATA SHEET



MAXFORCE® IMPACT COCKROACH BAIT GEL

Version 2.0 / CDN
102000027617

9/11
Revision Date: 04/13/2016
Print Date: 04/13/2016

Labels 9
Packaging group III
Marine pollutant Marine pollutant
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(CLOTHIANIDIN)

49CFR Not dangerous goods / not hazardous material

IMDG

UN number **3082**
Class 9
Packaging group III
Marine pollutant YES
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(CLOTHIANIDIN SOLUTION)

IATA

UN number **3082**
Class 9
Packaging group III
Environm. Hazardous Mark YES
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(CLOTHIANIDIN SOLUTION)

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.

Further Information Exempt from regulation when transported by road or rail, in accordance with TDG Regulations 1.45.1.
This exemption provides that this product does not require dangerous goods shipping documentation or safety marks when transported on land by road or rail.

SECTION 15: REGULATORY INFORMATION

PCP Registration No. 32275

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

SAFETY DATA SHEET



MAXFORCE® IMPACT COCKROACH BAIT GEL

Version 2.0 / CDN
102000027617

10/11
Revision Date: 04/13/2016
Print Date: 04/13/2016

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.

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
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 - 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

SAFETY DATA SHEET



MAXFORCE® IMPACT COCKROACH BAIT GEL

Version 2.0 / CDN
102000027617

11/11
Revision Date: 04/13/2016
Print Date: 04/13/2016

Reason for Revision: Revised according to the current Canadian WHMIS standard (WHMIS 2015).

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

Revision Date: 04/13/2016

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.