



Maxforce IC Professional Cockroach Gel Bait

MSDS Version 1.1

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name Maxforce IC Professional Cockroach Gel Bait
Chemical Name
Common Name
MSDS Number 2077
Chemical Family
Chemical Formulation
PCP Registration No. 27605

Bayer CropScience
 #100 - 3131 - 114th Avenue SE
 Calgary, AB T2Z 3X2
 Canada

Emergency Number (24 Hours/Day): 1-800-334-7577 Product Information: 1-888-283-6847

Product Use Description Insecticidal bait for the control of cockroaches, including German, American, Smokey Brown, Oriental and other cockroach species.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
Imidacloprid Technical	138261-41-3	2.0000	2.3000
Glycerine	56-81-5	10.2000	11.2000
Sodium hydroxide	1310-73-2	2.4000	2.6000

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview Avoid contact with skin, eyes and clothing. Moderate eye irritation. Caution!
 Wash thoroughly with soap and water after handling.

Physical State Paste

Appearance White

Routes of Exposure Inhalation, Skin contact, Eye contact, Ingestion

Immediate Effects
Eye Moderate eye irritation. Do not get in eyes.

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Skin	Avoid contact with skin, eyes and clothing. May cause slight irritation.
Ingestion	Do not take internally.
Chronic or Delayed Long-Term	This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.

SECTION 4. FIRST AID MEASURES

Eye	Immediately flush eye(s) with plenty of water. Call a physician if irritation persists.
Skin	Wash off with soap and plenty of water.
Ingestion	If vomiting does not occur within 20 minutes, repeat the dose once. If syrup of ipecac is available, administer 1 tablespoonful (15 mL) of syrup of ipecac followed by 1 to 2 glasses of water. Call a physician or Poison Control Center. Do not induce vomiting or give anything by mouth to an unconscious person. Drink 1 or 2 glasses of water.

Notes to physician

Treatment	Call 1-800-334-7577 before sending samples. Treat symptomatically.
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SECTION 5. FIRE FIGHTING MEASURES

Flash Point	> 93 °C / > 199 °F
Suitable Extinguishing Media	Water, Carbon dioxide (CO ₂), Dry chemical, Foam
Fire Fighting Instructions	Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray. Equipment or materials involved in pesticide fires may become contaminated. Fight fire from upwind position. Keep out of smoke. In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

General and Disposal	Keep unnecessary people away, isolate hazard area and deny entry. Avoid contact with spilled product or contaminated surfaces.
Land Spill or Leaks	Do not allow material to enter streams, sewers, or other waterways or contact vegetation. Scrub contaminated area with soap and water. Contaminated soil may have to be removed and disposed. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Place in

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covered container for reuse or disposal. Use personal protective equipment. Dike contaminated area with absorbent granules, soil, sand, etc. Material should be recovered. Carefully sweep up absorbed spilled material. Avoid contact with skin.

SECTION 7. HANDLING AND STORAGE

Handling Procedures	<p>Handle and open container in a manner as to prevent spillage.</p> <p>Do not use this product in or on electrical equipment due to the possibility of shock hazard.</p> <p>Keep away from food, drink and animal feeding stuffs. Keep exposed gel away from open food and food contact surfaces.</p>
Storing Procedures	<p>Do not contaminate water, food, or feed by storage or disposal.</p> <p>Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.</p>
Work/Hygienic Procedures	<p>Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.</p> <p>Launder clothing separately after use.</p> <p>For end-use applications consult the product label.</p>
Min/Max Storage Temperatures	<p>30 day average temperature is not to exceed 38°C (100°F)</p>

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection	<p>Safety glasses</p>
Hand Protection	<p>Chemical resistant gloves</p>
Body Protection	<p>Long-sleeved shirt and long pants Shoes plus socks</p>
Respiratory Protection	<p>When respiratory protection is necessary under the conditions of use, wear a respirator approved for pesticides by the National Institute for Occupational Safety and Health (NIOSH).</p>
General Protection	<p>In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.</p> <p>Educate and train employees in safe use of the product. Follow all label instructions.</p>

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Exposure Limits

Glycerine	56-81-5	OEL (QUE) TWA		10 mg/m3
		Form of Exposure	Mist.	
		CAD AB OEL TWA		10 mg/m3
		Form of Exposure	Mist.	
		CAD AB OEL STEL		20 mg/m3
		Form of Exposure	Mist.	
		CAD BC TWA		3 mg/m3
		OEL		
		Form of Exposure	Respirable fraction.	
		CAD BC TWA		10 mg/m3
Sodium hydroxide	1310-73-2	OEL		
		Form of Exposure	Mist.	
		CAD ON TWA		10 mg/m3
		OEL		
		Form of Exposure	Mist.	
		OEL (QUE) CEILING		2 mg/m3
		CAD AB OEL CEILING		2 mg/m3
		CAD BC CEILING		2 mg/m3
		OEL		
		CAD ON CEILING		2 mg/m3
OEL				

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White
Physical State	Paste
pH	4.5 at (5% solution)
Specific Gravity	1.2 at 20 °C
Viscosity	126,000 mPa.s 20 °C

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability	Stable
Hazardous Polymerization (Conditions to avoid)	Will not occur.

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SECTION 11. TOXICOLOGICAL INFORMATION

Only acute toxicity studies have been conducted on this product as formulated. The non-acute information pertains to the active ingredient, imidacloprid.

Acute Oral Toxicity Male/Female Rat: LD50: > 5,000 mg/kg

Acute Dermal Toxicity Male/Female Rat: LD50: > 5,000 mg/kg

Acute Inhalation Toxicity Not Applicable. No possibility of drift or off-placement desposition of the product from crack and crevice use since the formulation is a thick, syrup-based paste and the active ingredient is non-volatile (vapor pressure = $1.5E10(-9)$ mm @ 20°C).

Skin Irritation Rabbit: Mild skin irritation

Eye Irritation Rabbit: Minimal irritant.

Sensitization Guinea pig: non-sensitizing

Sub-Chronic Toxicity In a 3-week dermal toxicity study, rabbits treated with imidacloprid showed no local or systemic effects at levels up to and including 1000 mg/kg, the limit dose.

In a 4-week inhalation study, rats exposed to high concentrations of imidacloprid exhibited decreased body weight gains and changes in clinical chemistries and organ weights.

Chronic Toxicity In chronic dietary studies in rats and dogs exposed to imidacloprid, the target organs were the thyroids and/or liver.

Assessment Carcinogenicity

In oncogenicity studies in rats and mice, imidacloprid was not considered carcinogenic in either species.

ACGIH

None

NTP

None

IARC

None

OSHA

None

Reproductive & Developmental Toxicity

REPRODUCTION: In a two-generation reproduction study in rats, imidacloprid was not a primary reproductive toxicant. Offspring exhibited reduced body weights at the high dose and in conjunction with maternal toxicity.

DEVELOPMENTAL TOXICITY: In developmental toxicity studies in rats and rabbits, there was no evidence of an embryotoxic or teratogenic potential for imidacloprid. In both species, developmental effects were observed only at high

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doses and in conjunction with maternal toxicity.

Neurotoxicity

In acute and subchronic neurotoxicity screening studies in rats, imidacloprid produced slight neurobehavioral effects in each study at the highest dose tested. There were no correlating morphological changes observed in the neural tissues.

In a one-generation developmental neurotoxicity screening study in rats, offspring exposed to imidacloprid showed decreased body weights and motor activities. These effects occurred at the highest dose tested and in conjunction with maternal toxicity. There were no correlating morphological changes observed in the neural tissues.

Mutagenicity

The imidacloprid mutagenicity studies, taken collectively, demonstrate that the active ingredient is not genotoxic or mutagenic.

SECTION 12. ECOLOGICAL INFORMATION

Ecological Information For ecotoxicological data call the product information phone number listed in Section 1.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Pesticide Disposal: Contact manufacturer. Contact the proper local authorities.

Container Disposal Wrap container in several layers of newspaper and discard in trash. Do not re-use empty containers.

RCRA Classification Not Regulated under this Statute

SECTION 14. TRANSPORT INFORMATION

DOT CLASSIFICATION:
Not regulated for Domestic Surface Transportation

FREIGHT CLASSIFICATION:
Insecticides or Fungicides, N.O.I., other than poison

TDG CLASSIFICATION:
Not regulated for road and rail
WHMIS (CANADA):
Not regulated under WHMIS (2004).

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SECTION 15. REGULATORY INFORMATION

PCP Registration No. 27605

US Federal Regulations

TSCA list

Sodium hydroxide 1310-73-2

TSCA 12b export notification

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

None

Canadian Regulations

Canadian Domestic Substance List

Sodium hydroxide 1310-73-2

Environmental

CERCLA

None

Clean Water Section 307 Priority Pollutants

None

Safe Drinking Water Act Maximum Contaminant Levels

None

International Regulations

EU Classification

None

European Inventory of Existing Commercial Substances (EINECS)

Sodium hydroxide 1310-73-2

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SECTION 16. OTHER INFORMATION

	Health	Flammability	Reactivity	Others
NFPA	1	1	1	

MSDS REVISION INDICATOR: New Product Name; Updated Section 11, Acute inhalation toxicity.
For further information, in Canada contact (306)-721-0310 Bayer CropScience Inc.

Approval Date: 15.04.2004

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