



Pre-Empt Professional Cockroach Gel Bait

MSDS Version 2.0

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name Pre-Empt Professional Cockroach Gel Bait
Chemical Name
Common Name
MSDS Number R000034193
Chemical Family
Chemical Formulation
EPA Registration No. 432-1365

Bayer Environmental Science
 95 Chestnut Ridge Road
 Montvale, NJ 07645
 USA

For MEDICAL, TRANSPORTATION or Other EMERGENCY call 1-800-334-7577 24 hours/day
 For Product Information call 1-800-331-2867

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

Material Safety Data Sheet

Pre-Empt Professional Cockroach Gel Bait

MSDS Number: R000034193
MSDS Version 2.0

SECTION 3. HAZARDS IDENTIFICATION

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

<u>Emergency Overview</u>	Caution! Causes moderate eye irritation. Avoid contact with eyes or clothing. 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	Causes moderate eye irritation. Do not get in eyes.
Skin	May cause slight irritation. Avoid contact with skin or clothing.
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	Flush eyes with plenty of water. Call a physician if irritation persists.
Skin	Wash with plenty of soap and water.
Ingestion	Call a physician or Poison Control Center. Drink 1 or 2 glasses of water. If syrup of ipecac is available, administer 1 tablespoonful (1/2 oz or 15 mL), otherwise induce vomiting by sticking finger down throat. If vomiting does not occur within 20 minutes, repeat the dose once. Do not induce vomiting or give anything by mouth to an unconscious person.

Notes to physician

Treatment	Treat symptomatically. Call the Medical Emergency Telephone Number on page 1 for additional information and/or instructions.
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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

Material Safety Data Sheet

MSDS Number: R000034193

Pre-Empt Professional Cockroach Gel Bait

MSDS Version 2.0

Fire Fighting Instructions

Keep out of smoke. Cool exposed containers with water spray. Fight fire from upwind position. Use self-contained breathing equipment. Contain runoff to prevent entry into sewers or waterways. Equipment or materials involved in pesticide fires may become contaminated.

SECTION 6. ACCIDENTAL RELEASE MEASURES

General and Disposal

Keep unnecessary people away, isolate hazard area and deny entry. Do not walk through spilled material.

Land Spill or Leaks

Avoid contact with skin. Wear proper protective equipment. Dike contaminated area with absorbent granules, soil, sand, etc. Material should be recovered. Carefully sweep up absorbed spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with soap and water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways or contact vegetation.

SECTION 7. HANDLING AND STORAGE

Handling Procedures

Handle and open container in a manner as to prevent spillage.

Do not use this product in or on electrical equipment due to the possibility of shock hazard.

Use handling, storage and disposal procedures that will prevent contamination of water, food or feed. Keep exposed gel away from open food and food contact surfaces.

Storing Procedures

Do not contaminate water, food, or feed by storage or disposal.

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.

Work/Hygienic Procedures

Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Launder clothing separately after use.

For end-use applications consult the product label.

Min/Max Storage Temperatures

30 day average temperature is not to exceed 38°C (100°F)

Material Safety Data Sheet

Pre-Empt Professional Cockroach Gel Bait

MSDS Number: R000034193
MSDS Version 2.0

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection	Safety glasses
Hand Protection	Chemical resistant gloves
Body Protection	Long-sleeved shirt and long pants. Shoes plus socks.
Respiratory Protection	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).
General Protection	Clean water and soap should be available for washing in case of eye or skin contamination. Educate and train employees in safe use of the product. Follow all label instructions.

Exposure Limits

Glycerine	56-81-5	ACGIH	TWA	10 mg/m3
		OSHA Z1	PEL	5 mg/m3
		Form of Exposure	Respirable fraction.	
		OSHA Z1	PEL	15 mg/m3
		Form of Exposure	Total dust.	
		OSHA Z1A	TWA	5 mg/m3
		Form of Exposure	Respirable fraction.	
		OSHA Z1A	TWA	10 mg/m3
		Form of Exposure	Total dust.	
		US CA OEL	TWA PEL	5 mg/m3
Sodium hydroxide	1310-73-2	ACGIH	Ceiling	2 mg/m3
		NIOSH	Ceil_Time	2 mg/m3
		OSHA Z1	PEL	2 mg/m3
		OSHA Z1A	Ceiling	2 mg/m3
		US CA OEL	Ceiling	2 mg/m3
		Form of Exposure	Total dust.	
		US CA OEL	TWA PEL	10 mg/m3
		Form of Exposure	Respirable fraction.	
		US CA OEL	TWA PEL	10 mg/m3
		Form of Exposure	Total dust.	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White
Physical State	Paste
pH	4.5 at (5% solution)

Material Safety Data Sheet

MSDS Number: R000034193
MSDS Version 2.0

Pre-Empt Professional Cockroach Gel Bait

Specific Gravity 1.2 at 20 °C
Viscosity 126,000 mPa.s 20 °C

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability This is a stable material.

Hazardous Polymerization (Conditions to avoid) Will not occur.

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 and Female Rat: LD50: > 5,000 mg/kg

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

Acute Inhalation Toxicity No data available

Skin Irritation Rabbit: Mild skin irritant.

Eye Irritation Rabbit: Minimal irritant.

Sensitization Guinea pig: Not a skin sensitizer.

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

Material Safety Data Sheet

Pre-Empt Professional Cockroach Gel Bait

MSDS Number: R000034193
MSDS Version 2.0

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 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

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

Container Disposal

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

RCRA Classification

Not Regulated under this Statute

Material Safety Data Sheet

Pre-Empt Professional Cockroach Gel Bait

MSDS Number: R000034193
MSDS Version 2.0

SECTION 14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Not regulated for Domestic Surface Transportation

FREIGHT CLASSIFICATION:

Insecticides or Fungicides, N.O.I., other than poison

SECTION 15. REGULATORY INFORMATION

EPA Registration No. 432-1365

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

Glycerine	56-81-5	IL, MN, PA, RI
Sodium hydroxide	1310-73-2	CA, CT, IL, MN, NJ, PA, RI

Canadian Regulations

Canadian Domestic Substance List

Sodium hydroxide 1310-73-2

Environmental

CERCLA

Sodium hydroxide 1310-73-2 1,000 lbs

Clean Water Section 307 Priority Pollutants

None

Safe Drinking Water Act Maximum Contaminant Levels

None

Material Safety Data Sheet

Pre-Empt Professional Cockroach Gel Bait

MSDS Number: R000034193
MSDS Version 2.0

International Regulations

EU Classification

None

European Inventory of Existing Commercial Substances (EINECS)

Sodium hydroxide 1310-73-2

SECTION 16. OTHER INFORMATION

	Health	Flammability	Reactivity	Others
NFPA	1	1	1	

MSDS REVISION INDICATOR: New Format; Updated sections as needed.

Approval Date: 02/04/2004

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