

**Material Safety Data Sheet****BAYER ADVANCED HOME PEST CONTROL INDOOR & OUTDOOR INSECT KILLER READY-TO-USE**

MSDS Number: 102000012003

MSDS Version 2.0

Revision Date: 01/23/2009

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name BAYER ADVANCED HOME PEST CONTROL INDOOR & OUTDOOR INSECT KILLER READY-TO-USE
MSDS Number 102000012003
EPA Registration No. 72155-27

Bayer Environmental Science
2 T.W. Alexander Drive
Research Triangle PK, NC 27709
USA

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

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS-No.</u>	<u>Average % by Weight</u>
beta-Cyfluthrin	68359-37-5	0.05

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview Caution! Harmful by inhalation and if swallowed. Causes eye irritation. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapour or mist. Wash thoroughly with soap and water after handling.

Physical State liquid

Appearance almost white

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

Immediate Effects

Eye Causes eye irritation. Avoid contact with eyes.

Skin May cause slight irritation. Avoid contact with skin and clothing.

Ingestion Harmful if swallowed. Do not take internally.

Inhalation Harmful if inhaled. Avoid inhalation of vapour or mist.

**Material Safety Data Sheet****BAYER ADVANCED HOME PEST CONTROL INDOOR & OUTDOOR INSECT KILLER READY-TO-USE**MSDS Number: 102000012003
MSDS Version 2.0**Potential Environmental Effect** Highly toxic to aquatic invertebrates. Highly toxic to fish.**SECTION 4. FIRST AID MEASURES**

General	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
Eye	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.
Skin	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.
Ingestion	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.
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.
Notes to Physician Treatment	Treat symptomatically. There is no specific antidote.

SECTION 5. FIRE FIGHTING MEASURES

Flash point	> 93.3 °C / > 199.9 °F
Suitable Extinguishing Media	Water, Foam, Dry chemical
Fire Fighting Instructions	Keep out of smoke. Fight fire from upwind position. Cool closed containers/ tanks exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES



Material Safety Data Sheet

BAYER ADVANCED HOME PEST CONTROL INDOOR & OUTDOOR INSECT KILLER READY-TO-USE

MSDS Number: 102000012003

MSDS Version 2.0

Personal Precautions	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.
Additional Advice	Do not allow product to contact vegetation. Do not allow to enter soil, waterways or waste water canal. Use personal protective equipment.

SECTION 7. HANDLING AND STORAGE

Storing Procedures	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. Protect from freezing.
Work/Hygienic Procedures	Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly with soap and water after handling.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General Protection	There are no known hazards associated with this product when used according to the label directions. The following guidelines should be followed. Avoid inhalation of vapour or mist. Avoid contact with skin and eyes. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Do not allow children or pets to enter the treated area until it has dried.
---------------------------	---

Exposure Limits

beta-Cyfluthrin	68359-37-5	TX ESL	ST ESL	50 ug/m3
		TX ESL	ST ESL	50 ug/m3
		TX ESL	AN ESL	5 ug/m3
		TX ESL	AN ESL	5 ug/m3
		OES BCS*		0.01 mg/m3

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

**Material Safety Data Sheet****BAYER ADVANCED HOME PEST CONTROL INDOOR & OUTDOOR INSECT KILLER READY-TO-USE**MSDS Number: 102000012003
MSDS Version 2.0**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	almost white
Physical State	liquid
pH	7.8 - 8.2 at 25 °C
Density	approx. 1.00 g/cm ³ at 20 °C
Viscosity	2.0 - 3.0 mPa.s at 23 °C

SECTION 10. STABILITY AND REACTIVITY

Hazardous Reactions	Stable under normal conditions.
----------------------------	---------------------------------

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity studies for this product have been bridged from another product containing 20% of the active ingredient, Cyfluthrin. The non-acute information pertains to the active ingredients Beta-cyfluthrin technical, an enriched isomer of Cyfluthrin, and Cyfluthrin technical. Toxicology information on Cyfluthrin technical can be obtained by calling the Product Use Information number on page 1.

Acute Oral Toxicity	male rat: LD50: 3,084 mg/kg female rat: LD50: 1,733 mg/kg
Acute Dermal Toxicity	male/female combined rat: LD50: > 2,000 mg/kg
Acute Inhalation Toxicity	male/female combined rat: LC50: > 1.18 mg/l Exposure time: 4 h Determined in the form of dust. Highest attainable concentration. (actual) male/female combined rat: LC50: > 4.72 mg/l Exposure time: 1 h Determined in the form of dust. Extrapolated from the 4 hr LC50. (actual)
Skin Irritation	rabbit: Slight irritation.
Eye Irritation	rabbit: Mild eye irritation.



Material Safety Data Sheet

BAYER ADVANCED HOME PEST CONTROL INDOOR & OUTDOOR INSECT KILLER READY-TO-USE

MSDS Number: 102000012003
MSDS Version 2.0

Sensitization guinea pig: Non-sensitizing.

Assessment Carcinogenicity

ACGIH
None.
NTP
None.
IARC
None.
OSHA
None.

Reproductive & Developmental Toxicity DEVELOPMENTAL TOXICITY: Beta-cyfluthrin was not a primary developmental toxicant in rats. Developmental effects were observed but were considered secondary to maternal toxicity.

Neurotoxicity Beta-cyfluthrin produced slight transient neurobehavioral effects in acute, subchronic and developmental neurotoxicity screening studies in rats. These effects occurred at the highest dose tested and without correlating morphological changes in the neural tissues.

Mutagenicity Beta-cyfluthrin was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

SECTION 12. ECOLOGICAL INFORMATION

Environmental Precautions Do not allow to get into surface water, drains and ground water. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance 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.

Container Disposal Do not re-use empty containers. Wrap and discard in trash. Follow advice on product label and/or leaflet.



Material Safety Data Sheet

BAYER ADVANCED HOME PEST CONTROL INDOOR & OUTDOOR INSECT KILLER READY-TO-USE

MSDS Number: 102000012003
MSDS Version 2.0

SECTION 14. TRANSPORT INFORMATION

TRANSPORTATION CLASSIFICATION:

Not regulated for transportation

FREIGHT CLASSIFICATION:

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

SECTION 15. REGULATORY INFORMATION

EPA Registration No. 72155-27

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

beta-Cyfluthrin

68359-37-5

1.0%

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

beta-Cyfluthrin

68359-37-5

NJ

Canadian Regulations

Canadian Domestic Substance List

None.

Environmental

CERCLA

None.

Clean Water Section 307 Priority Pollutants

None.

Safe Drinking Water Act Maximum Contaminant Levels

None.



Material Safety Data Sheet

BAYER ADVANCED HOME PEST CONTROL INDOOR & OUTDOOR INSECT KILLER READY-TO-USE

MSDS Number: 102000012003
MSDS Version 2.0

SECTION 16. OTHER INFORMATION

NFPA 704 (National Fire Protection Association):

Health - 1 Flammability - 1 Reactivity - 1 Others - none

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

Reason to Revise: Updated due to new system and numbering scheme. Updated for general editorial purposes.

Revision Date: 01/23/2009

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.