

Preventol TM Insecticide  
N-129

FOR USE IN THE MANUFACTURE OF INSECTICIDES FOR WOOD PROTECTION  
ACTIVE INGREDIENT: imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine -----98.42%  
INERT INGREDIENTS -----1.58%  
100%

**WARNING:**

**KEEP OUT OF REACH OF CHILDREN**

EPA REGISTRATION NUMBER: 39967-17

EPA ESTABLISHMENT NUMBER: 3125-MO-1  32534-DEU-1

**FIRST AID:**

**If swallowed:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a Poison Control center or doctor for further treatment advice

Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

NOTE TO PHYSICIAN: No specific antidote is available. Treat the patient symptomatically.

information thoroughly before undertaking the formulation of Preventol TM Insecticide in order to prevent formulation hazards and insure a satisfactory finished product.

Labeling for products formulated from this product must conform to that which is currently registered with the U.S. Environmental Protection Agency. For specific information on federally registered uses, contact Bayer Corporation. Any variance from the federally registered labeling for products containing Preventol TM Insecticide will have to be supported by data provided by the formulator.

Preventol TM Insecticide is intended for formulation into end use products for the following uses:

Above and below ground protection of wood, wood composites, plastics, cables, textiles, geotextiles, and termiticidal wall treatment, from insecticidal infestation.

REFORMULATORS AND REPACKAGERS OF THIS PRODUCT MUST OBTAIN THEIR OWN REGISTRATIONS FROM THE U.S. ENVIRONMENTAL PROTECTION AGENCY.

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** 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 reach of children, preferably in a locked storage area

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** Do not use container in connection with food, feed, or drinking water. Completely empty container into the processing equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep the material into a pile and dispose of as directed for pesticides as above. Refer to Precautionary Statements on label for hazards associated with the handling of this material. In spill or leak incidents, keep unauthorized people away.

Net Contents: \_\_\_\_\_ Pounds

**Bayer Chemicals**  
100 Bayer Road  
Pittsburgh, PA 15205-9741

**ACCEPTED**  
APR 10 2003  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
Registered under  
EPA Reg. No. 39967-17

39967-17

4/10/2003

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**IN CASE OF EMERGENCY:**

Bayer Corporation Pittsburgh Emergency Response Telephone Number: 412-923-1800

CHEMTREC: 800-424-9300

INTERNATIONAL: 703-527-3887

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

May be fatal if swallowed or inhaled. Do not breathe dust or vapor. Wear a mask or respirator jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health. Wash thoroughly with soap and warm water after handling and before eating, drinking or using tobacco products. Remove contaminated clothing and wash before reuse

**ENVIRONMENTAL HAZARDS**

Pesticide wastes are acutely toxic. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**DIRECTIONS FOR USE**

**It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.**

Detailed information on chemical and physical properties and other formulating recommendations for Preventol TM Insecticide can be found in the product information sheet N-129. Obtain and read this

## Product Information

# Preventol™ Insecticide

FOR USE IN THE MANUFACTURE OF INSECTICIDES FOR ABOVE AND BELOW GROUND PROTECTION OF WOOD, WOOD COMPOSITES, PLASTICS, CABLES, TEXTILES, GEOTEXTILES, AND TERMITICIDAL WALL TREATMENT, FROM INSECTICIDAL INFESTATION

Bayer Product Code/Technical Information Sheet No. N-129  
EPA Registration Number 39967-17  
CAS Number [138261-41-3]

### Chemical and Physical Data

|                               |  |
|-------------------------------|--|
| <b>Common Name:</b>           | Imidacloprid   |
| <b>Chemical Name:</b>         | 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine |
| <b>Minimum Purity</b>         |  |
| (lower certified limit):      | min. 95%   |
| <b>Physical Form:</b>         | solid  |
| <b>Appearance:</b>            | lumpy powder   |
| <b>Color:</b>                 | cream/light yellow   |
| <b>Density:</b>               | 1.54 g/cm <sup>3</sup>                                       |
| <b>Molecular Weight:</b>      | 255.7  |
| <b>Vapor Pressure (20°C):</b> | approx. 1.5 - 2.0 x10 <sup>-9</sup> mm Hg at 20°C            |
| <b>Solubility:</b>            | water 0.51 g/l at 20°C                                       |

### Applications

Preventol™ Insecticide is a highly effective insecticide with a broad spectrum of activity. Especially, it has outstanding effectiveness against various types of termites such as *Reticulitermes santonensis*.

Owing to its solubility, ease of addition, stability and compatibility with other components such as fungicides, Preventol™ Insecticide can be incorporated into both solvent-based and water-based systems.

### Spectrum of Activity

The following examples illustrate the outstanding effectiveness of Preventol™ Insecticide:

#### Toxicity values (threshold values concerning the effectiveness of the product) in kg/m<sup>3</sup> wood

|    |   |                 |                  |
|----|---|-----------------|------------------|
| 1. | Reticulitermes santonensis determined according to EN 117 | without aging:  | 0.00014 - 0.0014 |
|    |   | after EN 73:    | 0.00091 - 0.0044 |
|    |   | after EN 84:    | 0.024 - 0.060    |
| 2. | Hyloterpes bajulus determined according to EN 47          | after 4 weeks:  | 0.011 - 0.053    |
|    | (egg stage larvae)  | after 12 weeks: | 0.00             |
|    | 0.0108  |                 |                  |

#### Preventive application against Hyloterpes bajulus according to EN 46; testing period 12 weeks

|    |                                       |                |                |
|----|---------------------------------------|----------------|----------------|
| 1. | water based primer, dosage rate 0.05% | without aging: | mortality 100% |
|    |                                       | after EN 73:   | mortality 100% |
|    |                                       | after EN 84:   | mortality 100% |
| 2. | water based stain, dosage rate 0.05%  | without aging: | mortality      |
|    | 100%                                  | after EN 73:   | mortality 100% |
|    |                                       | after EN 84:   | mortality 100% |

### Suggested Uses

**Wood-based Composite Products and Wood Preservatives**

**GENERAL:** Preventol TM Insecticide is recommended for the formulation of wood preservatives or preservatives intended for use in wood-based composite products, such as waferboard, fiberboard, particleboard, plywood and oriented-strand board when it is important to prevent the attack of insects, including termites.

**Plastics Preservation**

**GENERAL:** Preventol TM Insecticide is recommended for the formulation of preservatives intended for use in plastics such as PVC, polyurethane, polyethylene, polypropylene, natural synthetic rubber, and other plastics. These plastics are used in the following applications: boat covers, carpet backing, convertible car tops, flooring, hoses, automotive underbody coatings, pond liners, roofing foils, wall coverings, cable sheeting, film and sheet of agricultural products, and other applications. Preventol TM Insecticide is recommended for film and sheeting, extruded profiles, plastisols, molded goods, organosols, fabric coatings and similar systems requiring an effective termiticidal compound.

**Textiles**

**GENERAL:** Preventol TM Insecticide is recommended for use as a termiticide in textiles such as tents and groundsheets, boat and car covers, awnings, tarpaulins, marine upholstery, seals, felts, and other applications.

**INFORMATION ABOUT SAFETY AND HANDLING AND ON ECOLOGICAL AND TOXICOLOGICAL BEHAVIOR IS GIVEN IN OUR MATERIAL SAFETY DATA SHEET AND IN OUR SUMMARY OF TOXICITY AND ECOTOXICITY.**

Bayer Chemicals  
100 Bayer Road  
Pittsburgh, PA 15205-9741

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis at least must include testing to determine suitability from a technical as well as health, safety and environmental standpoint. Such testing has not necessarily been done by Bayer Corporation. All information is given without warranty or guarantee. It is expressly understood and agreed that the customer assumes and hereby expressly releases Bayer from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation not contained herein is unauthorized and shall not bind Bayer. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.