

Preventol TM Preservative INSECTICIDE

FOR CONTROL OF CERTAIN INSECTS INFECTING, WOOD AND WOOD COMPOSITES, PLASTICS AND TEXTILES
ACTIVE INGREDIENT: imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine -----98%
INERT INGREDIENTS -----2%
100%

KEEP OUT OF REACH OF CHILDREN
WARNING
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.

STATEMENTS OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger, or, if available, by administering syrup of ipecac. If syrup of ipecac is available, administer 1 tablespoonful (15 ml) of syrup of ipecac followed by 1 to 2 glasses of water. 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.

If on skin: Wash skin immediately with soap and water for at least 15 minutes. If irritation occurs, get medical attention.

If in eyes: Hold the lids open and flush immediately with a slow stream of water. Continue this procedure for at least 15 minutes. Contact a physician.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

In case of poisoning, call a physician or Poison Control Center. Have patient lie down and keep quiet. It is also requested that Bayer Corporation (Emergency Number 412/923-1800) be notified.

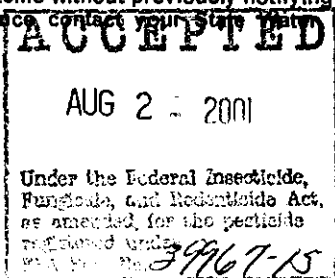
NOTE TO PHYSICIAN: No specific antidote is available. Treat the patient symptomatically.

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.

EPA Reg. No.: 39967-15
EPA Est. No.: 3125-MO-1
Net Contents: _____ Pounds

Bayer Corporation
Industrial Chemicals Division
100 Bayer Road
Pittsburgh, PA 15205-9741



DISCLAIMER Seller (whether manufacturer, distributor, or other) makes no warranty express or implied, including the implied warranty of merchantability, regarding this product except the composition as set forth in the ingredient statement herein, and shall not be liable for special or consequential damages, the exclusive remedy being the replacement of the product. Buyer or user assumes all risk of possession, handling or use of this material when such use and/or handling is contrary to label instructions.

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 Preservative can be found in the product information sheet N- . Obtain and read this information thoroughly before undertaking the formulation of Preventol TM Preservative in order to formulation hazards and insure a satisfactory finished product.

Preventol TM Preservative is intended as a direct additive for the protection of insecticidal infestation in the following applications/uses:

- 1) Wood and wood-based composite products such as lumber, timber landscaping ties, fence posts, building and utility poles, pilings, decking, wood shingles, waterboard, fiberboard, particleboard, plywood and oriented-strand board for both above and below ground protection.
- 2) Plastics products such as PVC, polyurethane, polyethylene, polypropylene, natural and synthetic rubber, and other types of plastics products.
- 3) Textiles such as groundsheets, boat and car covers, awnings, tarpaulins, marine upholstery, seals, felts, and other textile applications/products.

PLEASE SEE PRODUCT INFORMATION SHEET NO. 129 FOR DETAILED DIRECTIONS FOR USE

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.

IN CASE OF EMERGENCY, CALL CHEMTREC 800-424-9300
INTERNATIONAL 703-527-3887

39967-15

8/2/2001

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U.S. PRODUCT INFORMATION

TO BE PRINTED AS SEVERAL PAGES

Reason for Issue: Amendment to cover wood

EPA Registration No: 39967-15

Date of Draft: May 7, 2001

Product Information

Preventol TM Preservative
INSECTICIDE

FOR THE PROTECTION OF WOOD, WOOD COMPOSITES, PLASTICS, AND TEXTILES AGAINST ATTACK BY INSECTS

Bayer Product Code/Technical Information Sheet No. N-129
EPA Registration Number 39967-15
CAS Number [138261-41-3]

Chemical and Physical Data

Common Name:	Imidacloprid
Chemical Name:	1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine
Minimum Purity (lower certified limit)	min. 95%
Physical Form:	solid
Appearance:	lumpy powder
Color:	cream/light yellow
Density:	1.54 g/cm ³
Molecular Weight:	255.7
Vapor Pressure (20°C):	approx. 1.5 - 2.0 x10 ⁻⁸ mm Hg at 20°C
Solubility:	water 0.51 g/l at 20°C

Applications

Preventol TM Preservative 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 TM Preservative can be incorporated into both solvent-based and water-based systems.

ACCEPTED

AUG 2 2001

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 39967-15

Spectrum of Activity

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

Toxicity values (threshold values concerning the effectiveness of the product) in kg/m³ 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.	Hylotrupes bajulus determined according to EN 47 (egg stage larvae)	after 4 weeks:	0.011 - 0.053
0.0108		after 12 weeks:	0.00

Preventive application against Hylotrupes 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%
100%		after EN 73:	mortality 100%
		after EN 84:	mortality 100%

Directions for Use

Wood and Wood-based Composite Products

GENERAL: Preventol TM Preservative is recommended for the preservation of wood and wood-based composite products, such as **lumber, timber landscaping ties, fence posts, building and utility poles, pilings, decking, wood shingles,** waferboard, fiberboard, particleboard, plywood and oriented-strand board when it is important to prevent the attack of insects, including termites, on the composite product. These Composites are used in the following applications: millwork, including door and window frames; exterior siding; construction lumber; and exterior wood. Composite wood treated with Preventol TM Preservative does not change in appearance and may be painted when dry.

Preventol TM Preservative may be applied into a wood composite through a number of methods, including:

- a) Blending Preventol TM Preservative with an appropriate solvent, water repellent and injecting the solution into the wood through vacuum pressure in a closed vacuum cylinder.
- b) Metering Preventol TM Preservative onto the dried wood flakes, fibers, etc. immediately before the blender. The Preventol TM Preservative is then mixed with flakes in the blender.
- c) Mixing Preventol TM Preservative with the wood flakes in the blender.
- d) Mixing Preventol TM Preservative with the adhesive or wax, which is subsequently applied to the flakes in the blender.

The method of incorporation of Preventol TM Preservative will depend on the specific manufacturing process and wood species for the composite.

The suggested use level is 0.005 to 0.1 lbs. Preventol TM Preservative per cubic foot of wood, or 0.0125 to 0.25% Preventol TM Preservative, based on dry board weight.

Plastics Preservation

GENERAL: Preventol TM Preservative is recommended for the insecticidal preservation of 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 Preservative is recommended for film and sheeting, extruded profiles, plastisols, molded goods, organosols, fabric coatings and similar systems requiring an effective termiticidal compound.

Preventol TM Preservative should be used at an application rate of 0.01 - 1% Preventol TM Preservative based on the weight of the finished article. To insure uniform distribution in the end product it is recommended that Preventol TM Preservative be pre-blended with plasticizer or other liquid ingredient of the finished formulation before the final production step, but it can also be fed directly into an extruder, roller mill, calender, or other plastic manufacturing device. The method of incorporation of Preventol TM Preservative be pre-dissolved in a suitable solvent. The method of incorporation of Preventol TM Preservative is predissolved in a suitable solvent. The method of incorporation of Preventol TM Preservative will depend on the specific manufacturing process and plastic to be protected; the treatment is recommended up to a temperature of 350°F and is limited only by decomposition of the substance.

SOME OF THE ABOVE USES ARE SOIL CONTACT, AND ALL OF THEM NON FUMIGATION TREATMENTS

Textiles

GENERAL: Preventol TM Preservative 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. Preventol TM Preservative is recommended to be used at an application rate of 0.01 - 1% Preventol TM Preservative, based on weight of the finished products. The application rate depends on the conditions of use, the weight of the textiles, the ultimate use of the end-product and the degree of exposure. To ensure uniform distribution in the end-product, it is recommended that Preventol TM Preservative will depend on the specific manufacturing process and the type of textile to be protected. Heavy and close-woven fabrics should be dipped several times to ensure adequate penetration.

SOME OF THE ABOVE USES ARE SOIL CONTACT, AND ALL OF THEM NON FUMIGATION TREATMENTS

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 Corporation
Organic Chemicals Department
Fibers, Organics and Rubber
100 Bayer Road
Pittsburgh, PA 15205-9741

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