



043743-00003-022699

Printed: 15:07:39 Tuesday, 25 May, 1999 # 38 / 3110

Systems Integration Group, Inc.

PM 04

43743-3

2/26/99

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

01005

Application for Pesticide - Section I

1. Company/Product Number 43743-3	2. EPA Product Manager T. LEVINE	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) GASTOXIN Fumigation Sachets	PM# 04	
5. Name and Address of Applicant (Include ZIP Code) Bernardo Chemicals, Ltd. P.O. Box 1632 Turlock, CA 95381 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION

FEB 26 1999

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of change of packaging and address change per PR Notice 95-2. This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and the company may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name ROBERT M. SIELATY		Title COMPANY REPRESENTATIVE	
		Telephone No. (Include Area Code) 703-415-4600	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 		3. Title COMPANY REPRESENTATIVE	
4. Typed Name ROBERT M. SIELATY		5. Date 2/26/99	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS
KEEP OUT OF REACH OF CHILDREN
DANGER - POISON**

Aluminum phosphide powder, granules, or sachets may be fatal if swallowed. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke while handling aluminum phosphide fumigant. If a sealed container is opened or if the material comes in contact with moisture, water, or acids, extremely toxic phosphine gas will be released. If a garlic odor is detected, refer to section on applicator/workers exposure for appropriate monitoring procedures. Pure phosphine gas is odorless; the odor is due to a contaminant. Since an odor may not be detected under certain circumstances, the absence of a garlic odor does not mean that phosphine gas is absent. Observe proper application, aeration, re-entry and disposal procedures specified elsewhere in the labeling to prevent over exposure.

NOTE TO PHYSICIAN: Aluminum phosphide granules, powder, or sachets react with moisture in the air, acids, and many other liquids to release phosphine gas. Mild exposure by inhalation causes malaise, ringing of ears, fatigue, nausea, and pressure in the chest which is relieved by removal to fresh air.

Moderate poisoning causes weakness, vomiting, epigastric pain, chest pain, diarrhea and dyspnea. Severe poisoning may occur in a few hours to several days, resulting in pulmonary edema and may lead to dizziness, cyanosis, unconsciousness and death.

In sufficient quantity, phosphine affects the liver, kidneys, lungs, nervous system, and circulatory system. Inhalation can cause lung edema and hyperemia, small perivascular brain hemorrhages and brain edema. Ingestion can cause lung and brain symptoms, but damage to the viscera is more common. Phosphine poisoning may result in (1) pulmonary edema; (2) liver elevated serum GOT, LDH and alkaline phosphatase, reduced prothrombin, hemorrhage and jaundice; and (3) kidney hematuria and anuria. Pathology is characteristic of hypoxia. Frequent exposure over a period of days or weeks may cause poisoning. Treatment is symptomatic.

ENVIRONMENTAL HAZARDS

This product is highly toxic to wildlife. Non-target organisms exposed to phosphine gas will be killed. Do not contaminate water by cleaning of equipment or disposal of wastes.

STORAGE AND HANDLING

Store in a dry, well-ventilated area away from heat, under lock and key. Post as a pesticide storage area. Do not contaminate water, food, or feed by storing pesticides in the same areas used to store these commodities. Do not store in buildings inhabited by humans or domestic animals. Aluminum phosphide products shall not be placed in, or attached to packages intended for retailers.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Detailed use and disposal instructions for the fumigation of specified raw agricultural commodities, processed foods, animal feeds, tobacco, non-food items, cereal mills, feed mills, and warehouse are to be found in the booklet entitled "Applicators Product Manual for use with **gastoxin**® Sachets". Before using this product, read and follow all precautions and directions on the label and in the product manual.

SPILL AND LEAK PROCEDURES

A spill, other than incidental to application or normal handling, may produce high levels of gas and, therefore, attending personnel must wear SCBA or its equivalent when the concentration of phosphine gas is unknown. Other NIOSH/MSHA approved respiratory protection may be worn if the concentration is known. Do not use water at any time to clean up a spill of aluminum phosphide. Water in contact with unreacted sachets will greatly accelerate the production of phosphine gas which could result in a toxic and/or fire hazard. Wear cotton gloves when handling pesticides.

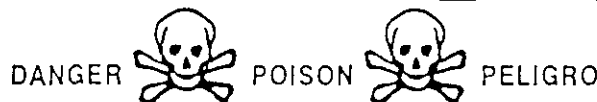
(Continued on right panel)

**RESTRICTED USE PESTICIDE
DUE TO ACUTE INHALATION TOXICITY OF
HIGHLY TOXIC PHOSPHINE GAS**

For retail sale to and use only by Certified Applicators for those uses covered by applicators certification or persons trained in accordance with the attached product manual working under the direct supervision and in the physical presence of the Certified Applicator who must be available on site or on the premises. Read and follow the label and **BERNARDO CHEMICALS LTD.** product manual which contain complete instructions for the safe use of this product.

**gastoxin®
FUMIGATION SACHETS**

Active Ingredient (Aluminum Phosphide) 57%
Inert Ingredients 43%



PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta se le haya sido explicado ampliamente.

STATEMENT OF PRATICAL TREATMENT

Symptoms of overexposure to phosphine are headache, dizziness, nausea, difficult breathing, vomiting and diarrhea. In all cases of overexposure get medical attention immediately. Take victim to a doctor or emergency treatment facility.

IF THE GAS FROM ALUMINUM PHOSPHIDE IS INHALED: Get exposed person to fresh air. Keep warm and make sure person can breathe freely. If breathing has stopped, give artificial respiration by mouth-to-mouth or other means of resuscitation. Do not give anything by mouth to an unconscious person.

IF ALUMINUM PHOSPHIDE POWDER, GRANULES, OR SACHETS ARE SWALLOWED: Drink or administer one or two glasses of water and induce vomiting by touching back of throat with finger or, if available, syrup of ipecac. Do not give anything by mouth if victim is unconscious or not alert.

IF POWDER, GRANULES OR SACHETS OF ALUMINUM PHOSPHIDE GET ON SKIN: Brush material off clothes and shoes in a well-ventilated area. Allow clothes to aerate in a ventilated area prior to laundering. Wash contaminated bare skin thoroughly with soap and water.

IF IN EYES: Flush with plenty of water. Get medical attention.

Manufactured by:
CASA BERNARDO LTDA.
Rod. Pe. Manoel da Nobrega, Km 65
Gleba 37 - Pque. Ind. Imigrantes
Samaritã - S.V. - São Paulo - BR
Tel.: (13) 460-1212
Telex: 13 2324 CBLB BR

Sold by:
BERNARDO CHEMICALS LTD.
P.O. BOX 1832
TURLOCK CA 95381
Phone: (209) 634-1191
Fax: (209) 634-1192

EPA EST. N° 43743-BR-01
EPA REG. N° 43743-3

Contents: Sachets - Net: oz (grs).

Return all intact cans to cardboard cases or other suitable packaging which has been properly marked according to DOT regulations. Notify consignee and shipper of damaged cases.

If cans have been punctured or damaged so as to leak, the container may be temporarily repaired with aluminum tape or the aluminum phosphide may be transferred from the damaged cans to a sound metal container which should be sealed and properly labeled as aluminum phosphide. Transport the damaged container to an area suitable for pesticide storage for inspection. Further instructions and recommendations may be obtained, if required, from **BERNARDO CHEMICALS LTD.**

PHYSICAL/CHEMICAL HAZARDS

Aluminum phosphide in sachets and partially-spent dust will release phosphine gas if exposed to moisture from the air or if it comes into contact with water, acids and many other liquids. Piling of sachets or dust from their fragmentation may cause a temperature increase and confine the release of gas so that ignition could occur.

Always open containers of aluminum phosphide products outdoors, or if indoors, in the presence of mechanical ventilation as under certain conditions, they may flash upon opening. When opening, point the container away from the face and body and slowly loosen the cap. Although the chances for flash are very remote, never open these containers in a flammable atmosphere. These precautions will also reduce the applicator's exposure to phosphine gas.

Pure phosphine gas is practically insoluble in water, and oils, and is stable at normal fumigation temperatures. However, it may react with certain metals and cause corrosion, especially at higher temperatures and relative humidities. Metals such as copper, brass and other copper alloys, and precious metals such as gold and silver are susceptible to corrosion by phosphine. Thus, small electric motors, smoke detectors, brass sprinkler heads, batteries and battery chargers, fork lifts, temperature monitoring systems, switching gears, communication devices, computers calculators and other electrical equipment should be protected or removed before fumigation.

STORAGE AND DISPOSAL

STORAGE: Store in a dry, well ventilated area away from heat, under lock and key. Post as a pesticide storage area. Do not contaminate water, food, or feed by storing pesticides in the same areas used to store these commodities. Do not store in buildings inhabited by humans or domestic animals. Aluminum phosphide products shall not be placed in, or attached to packages intended for retailers.

DISPOSAL OF UNREACTED OR PARTIALLY REACTED GASTOXIN SACHETS: (From spills, leaking containers or other sources).

Unreacted or partially reacted aluminum phosphide is acutely hazardous. Improper disposal of excess pesticide, spray mixture, or sludge is a violation of Federal Law. If this product cannot be disposed of by ordinary use or according to labeling instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest E.P.A. office for guidance. Do not contaminate water by disposal.

Reacted **gastoxin**® Sachets are not hazardous. For complete disposal, spill and leak procedures, refer to the booklet **gastoxin**® Sachet Application Procedures.

DISPOSAL OF SACHETS: Refer to the booklet entitled **gastoxin**® Sachet Application Procedures.

DISPOSAL OF EMPTY CANS: Dispose of empty cans in a sanitary landfill or by other approved state or local procedures.

GENERAL: Contact federal, state, and local waste disposal authorities for approval of procedures other than those listed above. Approved procedures may vary as to location.

If doubt exists as to whether the dust is reacted or concerning proper disposal techniques, contact **BERNARDO CHEMICALS LTD.**

WARRANTY

Seller does not make warranties expressed or implied on the usage of this product other than those directed on the label. Customer assumes all risks in handling and use of this material contrary to label recommendations.

Classified by Underwriters Laboratories Inc. as fire hazard only when used specifically as directed in the separate instructions that are part of the product labeling. **gastoxin**® Sachet Fumigant Powder is noncombustible itself but exposure to moist air or water releases flammable and toxic phosphine gas. Spontaneous ignition may result if contacted by water, acids or chemicals.

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NOTIFICATION

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