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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

SEP - 2 2010

Susan Nichols
D & D Holdings, Inc.
153 Triangle Drive
P.O. Box 116
Weyers Cave, VA

Subject: Revised Label to Comply With Risk Mitigation
Degesch Magtoxin^R Granules
EPA Reg. No. 72959-11
Your Application Dated August 27, 2010

Dear Ms. Nichols,

The label referred to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. A stamped copy is enclosed for your records. Please submit on copy of the final printed label before releasing the product for shipment. If you have questions, email Joanne Edwards at edwards.joanne@epa.gov or by telephone at (703) 305-6736.

Sincerely yours,

A handwritten signature in black ink that reads "Venus Eagle". The signature is written in a cursive style and extends to the right with a long horizontal stroke.

Venus Eagle, Product Manager 1
Insecticide-Rodenticide Branch
Registration Division (7505P)

(CENTER PANEL)

RESTRICTED USE PESTICIDE
DUE TO HIGH ACUTE INHALATION TOXICITY OF PHOSPHINE GAS

FOR RETAIL SALE TO DEALERS AND CERTIFIED APPLICATORS ONLY. FOR USE BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION. REFER TO THE DIRECTIONS IN THE APPLICATOR'S MANUAL FOR REQUIREMENTS OF THE PHYSICAL PRESENCE OF A CERTIFIED APPLICATOR.

THE COMPLETE LABEL FOR THIS PRODUCT CONSISTS OF THE CONTAINER LABEL AND APPLICATOR'S MANUAL WHICH MUST ACCOMPANY THE PRODUCT. READ AND UNDERSTAND THE ENTIRE CONTAINER LABEL AND APPLICATOR'S MANUAL.

A FUMIGATION MANAGEMENT PLAN MUST BE WRITTEN FOR ALL FUMIGATIONS PRIOR TO ACTUAL TREATMENT.

CONSULT WITH YOUR STATE LEAD PESTICIDE REGULATORY AGENCY TO DETERMINE REGULATORY STATUS, REQUIREMENTS, AND RESTRICTIONS FOR FUMIGATION USE IN THAT STATE. CALL D&D HOLDINGS, INC. IF YOU HAVE ANY QUESTIONS OR DO NOT UNDERSTAND ANY PART OF THIS LABEL.

DEGESCH (LOGO) MAGTOXIN®
DEGESCH MAGTOXIN® GRANULES

ONLY FOR USE WITH A DEGESCH GENERATOR TO PRODUCE PHOSPHINE GAS
FOR CONTROL OF PESTS OF STORED COMMODITIES

ACTIVE INGREDIENT: MAGNESIUM PHOSPHIDE	94.6%
INERT INGREDIENTS	5.4%
Total.....	100%

(Skull & Crossbones)

KEEP OUT OF REACH OF CHILDREN
DANGER/PELIGRO - POISON

(Skull & Crossbones)

THE USE OF THIS PRODUCT IS STRICTLY PROHIBITED ON SINGLE AND MULTI-FAMILY RESIDENTIAL PROPERTIES AND NURSING HOMES, SCHOOLS, DAYCARE FACILITIES AND HOSPITALS.

PRECAUCION AL USUARIO: Si usted no puede leer ingles, no use este producto hasta que el marbete le haya sido completamente explicado.
(TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

FIRST AID

Symptoms of overexposure to this product 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 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.

If swallowed:

- Call a 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 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 the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for further treatment advice.

ACCEPTED

SEP - 2 2010

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide Registered under EPA Reg. No. 72959-11

HOT LINE NUMBER

Have the product container, label or applicator's manual with you when calling a poison control center, doctor, or when going for treatment. CONTACT 1-800-308-4856 FOR ASSISTANCE WITH HUMAN OR ANIMAL MEDICAL EMERGENCIES. You may also contact DEGESCH AMERICA, INC. - (540) 234-9281 / 1-800-330-2525 or CHEMTREC - 800-424-9300 for all other chemical emergencies. See side panels for additional precautionary statements.

Manufactured by:
DEGESCH DE CHILE LTDA
Camino Antiguo a Valparaiso
No. 131, Padre Hurtado
Santiago, Chile

Distributed by:
D & D HOLDINGS, INC.
P. O. Box 116 - 153 Triangle Drive
Weyers Cave, VA 24486
Telephone: (540) 234-9281 / 1-800-330-2525
Fax: (540) 234-8225
Internet: www.degeschamerica.com
E-mail: degesch@degeschamerica.com

EPA Est. No. 40285-CH-01
EPA Reg. No. 72959-11
Net Contents: 850g of GRANULES

(LEFT PANEL)

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER: Magnesium phosphide from **DEGESCH MAGTOXIN® GRANULES** or its dust can be fatal if swallowed. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke while handling magnesium phosphide fumigants. If a sealed container is opened or if the material comes into contact with moisture, water or acids, these products will release phosphine which is an extremely toxic gas. If a garlic odor is detected, refer to the section on Industrial Hygiene Monitoring in the Applicator's Manual for appropriate monitoring procedures. Pure phosphine gas is odorless. The garlic 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 overexposure.

Environmental Hazards: This product is very highly toxic to wildlife. Non-target organisms exposed to phosphine gas will be killed. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate water by cleaning of equipment or disposal of wastes.

Physical and Chemical Hazards

Magnesium phosphide in **GRANULES**, partially spent dust and leftover slurry will release phosphine gas if exposed to moisture from the air or if it comes into contact with water, acids and many other liquids. Magnesium phosphide is considerably more reactive than aluminum phosphide and will liberate gas more rapidly. This is particularly true in the presence of liquid water and at higher temperatures. Since hydrogen phosphide may ignite spontaneously at levels above its lower flammable limit of 1.8% v/v (18,000 ppm), it is important not to exceed this concentration. It is preferable to open containers of magnesium phosphide products in open air as under certain conditions they may flash upon opening. Containers may also be opened near a fan or other appropriate ventilation which will rapidly exhaust contaminated air. When opening flasks of **MAGTOXIN® GRANULES**, point the flask away from the face and body and tear or cut open the far end. Although the chances for a flash are very remote, never open these containers in a flammable atmosphere. These precautions will also reduce the fumigator's exposure to hydrogen phosphide.

Pure phosphine (hydrogen phosphide) gas is practically insoluble in water, fats 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 humidity. Metals such as copper, brass, other copper alloys and precious metals such as gold and silver are susceptible to corrosion by phosphine. Thus items such as small electric motors, smoke detectors, brass sprinkler heads, batteries and battery chargers, forklifts, temperature monitoring systems, electrical switchgear, communication devices, computers, calculators, watches, and other electronic equipment should be protected or removed before fumigation. Phosphine will also react with certain metallic salts and, therefore, sensitive items such as photographic film, copying paper and some inorganic pigments, etc. should not be exposed. See Section 4.3 of the Applicator's Manual for more detailed Physical and Chemical Hazards.

Note to Physician: Magnesium phosphide **GRANULES**, partially spent dust or spent slurry react with moisture from the air, water, acids and many other liquids to release phosphine gas. Mild exposure by inhalation causes malaise (indefinite feeling of sickness), ringing of ears, fatigue, nausea, and pressure in the chest, which is relieved by removal to fresh air. Moderate poisoning causes weakness, vomiting, pain just above the stomach, chest pain, diarrhea and dyspnea (difficulty in breathing). Symptoms of severe poisoning may occur within a few hours to several days, resulting in pulmonary edema (fluid in lungs) and may lead to dizziness, cyanosis (blue or purple skin color), unconsciousness, and death. In sufficient quantity, phosphine affects the liver, kidneys, lungs, nervous system and circulatory system. Inhalation can cause lung edema (fluid in lungs) and hyperemia (excess of blood in a body part), small perivascular brain hemorrhage and brain edema (fluid in brain). Ingestion can cause lung and brain symptoms but damage to the viscera (body cavity organs) 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 (yellow skin color) and (3) kidney hematuria (blood in urine) and anuria (abnormal or lack of urination). Pathology is characteristic of hypoxia (oxygen deficiency in body tissue). Frequent exposure to sub-acute concentrations over a period of days or weeks may cause poisoning. Treatment is symptomatic.

The following measures are suggested for use by the physician in accordance with his own judgment:

In its milder forms, symptoms of poisoning may take some time (up to 24 hours) to make their appearance, and the following is suggested:

1. Give complete rest for 1-2 days, during which the patient must be kept quiet and warm.
2. Should patient suffer from vomiting or increased blood sugar, appropriate solutions should be administered. Treatment with oxygen breathing equipment is recommended as is the administration of cardiac and circulatory stimulants.

In cases of severe poisoning (Intensive Care Unit recommended):

1. Where pulmonary edema is observed, steroid therapy should be considered and close medical supervision is recommended. Blood transfusions may be necessary.
2. In cases of manifest pulmonary edema, venesection should be performed under vein pressure control. Heart glycosides (I.V.) (in case of hemoconcentration, venesection may result in shock). Upon progressive edema of the lungs, immediate intubations with a constant removal of edema fluid and oxygen over-pressure respiration, as well as measures required for shock treatment are recommended. In case of kidney failure, extracorporeal hemodialysis is necessary. There is no specific antidote known for this poisoning.
3. Mention should be made here of suicidal attempts by taking solid phosphide by mouth. After swallowing, emptying of the stomach by vomiting, flushing of the stomach with diluted potassium permanganate solution or a solution of magnesium peroxide until flushing liquid ceases to smell of carbide, is recommended. Thereafter, apply medicinal charcoal.

**(RIGHT PANEL)
DIRECTIONS FOR USE**

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

General Information: **MAGTOXIN® GRANULES** may only be used with the **DEGESCH Generator** to produce phosphine gas for the control of insects and rodent pests in certain agricultural commodities and their storages. For use only by certified applicators or persons under their direct supervision, and only for those uses covered by the certified applicator's certification. In addition to applicator certification, Degesch America, Inc. has additional training requirements, to include review of the Operator's Manual for operating the Degesch Phosphine Generator. The **MAGTOXIN® GRANULES/DEGESCH Generator System** is not for use in the fumigation of ships, barges or the in-transit fumigation of railcars. Refer to the Applicator's Manual for directions for use (e.g. pests controlled, specific commodities), precautions and restrictions.

STORAGE AND DISPOSAL

Storage Instructions:

- Do not contaminate water, food or feed by storing pesticides in the same areas used to store these commodities.
- Store **DEGESCH MAGTOXIN® GRANULES** in a dry, well ventilated area away from heat, under lock and key. Post as a pesticide storage area.
- Do not store in buildings where humans or domestic animals reside. Keep out of reach of children.
- **DEGESCH MAGTOXIN® GRANULES** are supplied in gas-tight, aluminum flasks. Do not expose the product to atmospheric moisture any longer than is necessary. Once the flask is opened, the entire contents must be used.
- The shelf life of **GRANULES** is virtually unlimited as long as the containers are tightly sealed.

Pesticide Disposal:

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

Unreacted or partially reacted **MAGTOXIN® GRANULES** are acutely hazardous. Improper disposal of excess pesticide 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. For specific instructions, see Disposal Instructions and Spill and Leak Procedures in the Applicator's Manual.

Some local and state waste disposal regulations may vary from the following. Disposal procedures should be reviewed with appropriate authorities to ensure compliance with local regulations. Contact your State Pesticide or Environmental Control Agency or Hazardous Waste Specialist at the nearest EPA Regional Office for guidance.

Container Disposal:

The aluminum flasks are non-refillable containers. Do not reuse or refill aluminum flasks. Offer for recycling, if available.

Triple rinse empty flasks with water if they have been contacted with spent or partially reacted dust from **MAGTOXIN® GRANULES**. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Rinsate may be disposed of in a sanitary landfill, pouring it out onto the ground, or by other approved procedures. It is permissible to expose empty pails to atmospheric conditions until residue is reacted. Then puncture and dispose of in a sanitary landfill or other approved site, or by other procedures approved by state and local authorities. If properly exposed during the fumigation period, spent **GRANULES** will contain virtually no unreacted magnesium phosphide. This will be a non-hazardous waste. However, incompletely exposed **GRANULES** require special care for disposal.

Spill and Leak Procedures:

General Precautions and Directions:

A spill, other than incidental to application or normal handling, may produce high levels of phosphine gas and, therefore, attending personnel must wear self-contained breathing apparatus (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 **DEGESCH MAGTOXIN® GRANULES**. Water in contact with unreacted metal phosphides will result in a toxic and/or fire hazard. Wear dry gloves of cotton or other material when handling metal phosphides.

Return all intact aluminum flasks of **MAGTOXIN® GRANULES** to original cases or other packaging which has been suitably constructed and marked according to DOT regulations. Notify consignee and shipper of damaged cases. If the flasks have been punctured or damaged so as to leak, they may be temporarily repaired with aluminum tape. Transport the damaged flasks, thus sealed, to an area suitable for pesticide storage for inspection. **Caution:** The punctured flasks may flash upon opening at some later time. Refer to the Applicator's Manual - Section 24 - for more detailed Spill and Leak procedures. Further information and recommendations may be obtained, if required, from **DEGESCH AMERICA, INC.**

WARRANTY: Seller warrants that this product conforms to its commercial description and when used according to label directions under normal conditions of use, it is reasonably fit for the purposes stated on the label. To the extent consistent with applicable law, the Seller makes no other warranty, either expressed or implied, and Buyer assumes all risks should the product be used contrary to label instructions.

RESTRICTED USE PESTICIDE
DUE TO HIGH ACUTE INHALATION TOXICITY OF PHOSPHINE GAS

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ACCEPTED
 SEP - 2 2010
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide Registered under EPA Reg. No. 72959-11

APPLICATOR'S MANUAL
FOR
DEGESCH MAGTOXIN® GRANULES
Patent No. PENDING

FOR USE ONLY WITH THE DEGESCH GENERATOR TO PRODUCE PHOSPHINE GAS FOR CONTROL OF PESTS OF STORED PRODUCTS:

Active Ingredient: Magnesium Phosphide94.6%
Inert Ingredients:	5.4%
Total	100%

(Skull & Crossbones) **KEEP OUT OF REACH OF CHILDREN** (Skull & Crossbones)
 DANGER - POISON - PELIGRO

THE USE OF THIS PRODUCT IS STRICTLY PROHIBITED ON SINGLE AND MULTI-FAMILY RESIDENTIAL PROPERTIES AND NURSING HOMES, SCHOOLS, DAYCARE FACILITIES AND HOSPITALS.

PRECAUCION AL USUARIO: Si usted no puede leer ingles, no use este producto hasta que el marbete le haya sido completamente explicado.
 (TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

Manufactured by:
 DEGESCH DE CHILE LTDA
 Camino Antiguo a Valparaiso
 No. 131, Padre Hurtado
 Santiago, Chile

Distributed by:
 D & D HOLDINGS, INC.
 P. O. Box 116
 153 Triangle Drive
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EPA Est. No. 40285-CH-01
 EPA Reg. No. 72959-11

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FOR ASSISTANCE CONTACT NUMBERS

1. FIRST AID

Symptoms of exposure to this product are headaches, 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 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.
- Contact a poison control center or doctor for treatment advice.

If swallowed:

- Call a 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 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 the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for further treatment advice

HOT LINE NUMBER

Have the product container, label, or applicator's manual with you when calling a poison control center, doctor or going for treatment. CONTACT 1-800-308-4856 FOR ASSISTANCE WITH HUMAN OR ANIMAL MEDICAL EMERGENCIES. You may also contact DEGESCH AMERICA, INC. - (540)234-9281/1-800-330-2525 or CHEMTREC - 1-800-424-9300 for all other chemical emergencies.

2. NOTE TO PHYSICIAN (We recommend that this section be given to the attending physician)

Magnesium phosphide reacts with moisture from the air, water, acids and many other liquids to release phosphine gas. Mild inhalation exposure causes malaise (indefinite feeling of sickness), ringing of ears, fatigue, nausea and pressure in the chest, which is relieved by removal to fresh air. Moderate poisoning causes weakness, vomiting and pain just above the stomach, chest pain, diarrhea and dyspnea (difficulty in breathing). Symptoms of severe poisoning may occur with a few hours to several days, resulting in pulmonary edema (fluid in lungs) and may lead to dizziness, cyanosis (blue or purple skin color), unconsciousness and death.

In sufficient quantity, phosphine affects the liver, kidneys, lungs, nervous system, and circulatory system. Inhalation can cause lung edema (fluid in lungs) and hyperemia (excess of blood in a body part), small perivascular brain hemorrhages and brain edema (fluid in brain). Ingestion can cause lung and brain symptoms but damage to the viscera (body cavity organs) 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 (yellow skin color) and (3) kidney hematuria (blood in urine) and anuria (abnormal lack of urination).

Pathology is characteristic of hypoxia (oxygen deficiency in body tissue). Frequent exposure to concentrations above permissible levels over a period of days or weeks may cause poisoning. Treatment is symptomatic.

The following measures are suggested for use by the physicians in accordance with their own judgment:

In its milder forms, symptoms of poisoning may take some time (up to 24 hours) to make their appearance and the following is suggested:

1. Give complete rest for 1-2 days, during which the patient must be kept quiet and warm.
2. Should the patient suffer from vomiting or increased blood sugar, appropriate solutions should be administered. Treatment with oxygen breathing equipment is recommended, as is the administration of cardiac and circulatory stimulants.

In case of severe poisoning (intensive care unit recommended):

1. Where pulmonary edema is observed, steroid therapy should be considered and close medical supervision is recommended. Blood transfusions may be necessary.
2. In cases of manifest pulmonary edema, venesection should be performed under vein pressure control. Heart glycosides (I.V.) (in case of hemocentration, venesection may result in shock). Upon progressive edema of lungs, immediate intubation with a constant removal of edema fluid and oxygen over-pressure respiration, as well as measures required for shock treatment are recommended. In case of kidney failure, extra-corporeal hemodialysis is necessary. There is no specific antidote known for this poisoning.
3. Mention should be made here of suicidal attempts by taking magnesium phosphide by the mouth. After swallowing, emptying of the stomach by vomiting, flushing of the stomach with diluted potassium permanganate solution or a solution of magnesium peroxide until flushing liquid ceases to smell of carbide, is recommended. Thereafter, apply medicinal charcoal.

3. PRODUCT INFORMATION

DEGESCH MAGTOXIN® GRANULES may not be used in the manner conventionally employed with other metal phosphide fumigants. That is, the GRANULES may not be applied directly to warehouses, containers, silos, railcars, tarped structures, rodent burrows or any of the other sites in which metal phosphide fumigants are approved for use. They may not be added directly to raw or any other type of agricultural commodity. MAGTOXIN® GRANULES are for use exclusively in a DEGESCH Phosphine Generator for generating phosphine gas for fumigation of stored products and for short term fumigations to control vertebrate pests in storages. In addition to applicator certification, Degesch America, Inc. has additional training requirements, to include review of the Operator's Manual for operating the Degesch Phosphine Generator.

DEGESCH MAGTOXIN® GRANULES are used to protect stored commodities from damage by insects, rodents and other vertebrate pests. Fumigation of stored products with MAGTOXIN® GRANULES in the manner prescribed in the labeling does not contaminate the marketed commodity.

DEGESCH MAGTOXIN® GRANULES are acted upon by atmospheric moisture or liquid water to produce phosphine gas. Phosphine gas is highly toxic to insects, vertebrate pests, humans, and other forms of animal life. In addition to its toxic properties, the gas will corrode certain metals and may ignite spontaneously in air at concentrations above its lower flammable limit of 1.8% v/v (18,000 ppm). These hazards will be described in greater detail later on in this Applicator's Manual under PRECAUTIONARY STATEMENTS.

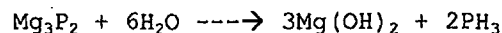
MAGTOXIN® GRANULES are gray, flattened particles 1-2mm in length and width. The **GRANULES** are packed in stoppered 1100cc aluminum flasks containing 850g of product. The **GRANULES** containing 94.6% magnesium phosphide and each flask will produce 405g of phosphine gas, almost 1g of phosphine gas for each 2g of **MAGTOXIN® GRANULES**. The flasks are packed in fiberboard cases containing 21 flasks each, a total of 17.85kg of **MAGTOXIN® GRANULES**, equivalent to 8.51kg of phosphine gas or 12 flasks each, a total of 10.2kg of **MAGTOXIN® GRANULES** equivalent to 4.86kg of phosphine gas.

MAGTOXIN® GRANULES are supplied in gas-tight flasks and their shelf life is unlimited as long as the packaging remains intact. Storage and handling instructions will be given in detail under STORAGE INSTRUCTIONS in the Applicator's Manual.

The DEGESCH Phosphine Generator is an automatic device in which the **MAGTOXIN® GRANULES** are rapidly hydrolyzed with liquid water under an atmosphere of carbon dioxide. The warm gas mixture of phosphine and carbon dioxide is cooled with liquid water and diluted in a separate chamber with air to a mixture containing 1.8% PH₃ or less. This gas mixture may be used directly for fumigations or may be diluted further with air from an explosion-proof auxiliary fan and pumped into commodities stored in silos or other structures in order to rapidly obtain effective levels of phosphine throughout the storage.

The reaction of liquid water with **MAGTOXIN® GRANULES** inside the Generator is very rapid and complete. Less than 10 ppm of phosphine gas remain in the spent solid from the DEGESCH Generator. The water used to flush the spent solids from within the Generator is purged with fresh air before discharge and, therefore, contains only traces of dissolved phosphine gas. These are not hazardous wastes. Additional deactivation of wastes produced by the DEGESCH Generator is not required. However, partially spent or unexposed **MAGTOXIN® GRANULES** are quite reactive and will require special care. Precautions and instructions for further deactivation and disposal are given under directions for deactivation by the wet method.

The following chemical reactions are carried out with the DEGESCH Phosphine Generator:



4. PRECAUTIONARY STATEMENTS

4.1 Hazards to Humans and Domestic Animals

DANGER: Magnesium phosphide from DEGESCH Magtoxin® GRANULES or its dust may be fatal if swallowed. Do not get in eyes, on skin or on clothing. Do not eat, drink or smoke while handling magnesium phosphide fumigants. If a sealed container is opened, or if the material comes into contact with moisture, water or acids, these products will release phosphine gas which is an extremely toxic gas. If a garlic odor is detected, refer to the Industrial Hygiene Monitoring section of this applicator's manual for appropriate monitoring procedures.

Pure phosphine gas is odorless; the garlic odor is due to a contaminant. Since the odor of phosphine may not be detected under some circumstances, the absence of a garlic odor does not mean that dangerous levels of phosphine gas are absent. Observe proper re-entry procedures in Section 14.4 of this labeling to prevent overexposure.

4.2 Environmental Hazards

This product is very highly toxic to wildlife. Non-target organisms exposed to phosphine gas will be killed. Do not apply directly to

water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate water by cleaning of equipment or disposal of wastes.

4.3 Physical and Chemical Hazards

Magnesium phosphide in MAGTOXIN® GRANULES partially spent dust will release phosphine if exposed to moisture from the air or if it comes into contact with water, acids and many other liquids. Magnesium phosphide is considerably more reactive than is aluminum phosphide and will liberate gas more rapidly. This is particularly true in the presence of liquid water and at higher temperatures. Since phosphine gas may ignite spontaneously at levels above its lower flammable limit of 1.8% v/v (18,000 ppm), it is important not to exceed this concentration. Ignition of high concentrations of phosphine gas can produce a very energetic reaction. Explosion can occur under these conditions and may cause severe personal injury. Never allow the buildup of phosphine to exceed explosive concentrations. Do not confine spent or partially spent metal phosphide fumigants as the slow release of phosphine gas from this material may result in formation of an explosive atmosphere. Magnesium phosphide fumigants should not be stacked, piled up or contacted with liquid water. This may cause a temperature increase, accelerate the rate of gas production and confine the gas so that ignition could occur.

It is preferable to open containers of magnesium phosphide products in open air as under certain conditions, they may flash upon opening. Containers may also be opened near a fan or other appropriate ventilation that will rapidly exhaust contaminated air. When opening flasks of the GRANULES, point the flask away from the face and body. Although the chances for a flash are very remote, never open containers of metal phosphide fumigants in a flammable atmosphere. These precautions will also reduce the fumigator's exposure to phosphine gas. Air monitoring must be conducted to ensure worker's exposure to phosphine gas does not exceed the allowable limit of 8-hour Time Weighted Average (TWA) of 0.3 ppm or the 15-minute Short-Term Exposure Limit (STEL) of 1.0 ppm phosphine.

Pure phosphine gas is practically insoluble in water, fats 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, 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. Phosphine gas will also react with certain metallic salts and, therefore, sensitive items such as photographic film, some inorganic pigments, etc., should not be exposed. In addition, all non-essential lights and electrical equipment should be turned off.

MAGTOXIN® GRANULES are Restricted Use Pesticides due to the high acute inhalation toxicity of phosphine gas. Read and follow the complete label which contains instructions for the safe use of this product. Additional copies are available from:

DEGESCH AMERICA, INC.
153 TRIANGLE DRIVE
P. O. BOX 116
WEYERS CAVE, VA 24486 USA
Tel.: (540)234-9281/1-800-330-2525
Fax: (540)234-8225
Internet: www.degeschamerica.com
E-mail: degesch@degeschamerica.com

DIRECTIONS FOR USE

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

5. PESTS CONTROLLED

Phosphine gas from MAGTOXIN® GRANULES has been found effective against vertebrate pests and the following insects and their preadult stages - that is, eggs, larvae and pupae:

almond moth	European grain moth	Mediterranean flour moth
Angoumois grain moth	flat grain beetle	pink bollworm
bean weevil	fruit flies	raisin moth
bees	granary weevil	red flour beetle
cadelle	greater wax moth	rice weevil
cereal leaf beetle	hairy fungus beetle	rusty grain beetle
cigarette beetle	Hessian fly	saw-toothed grain beetle
confused flour beetle	Indian meal moth	spider beetles
dermestid beetles	Khapra beetle	tobacco moth
dried fruit beetle	lesser grain borer	yellow mealworm
dried fruit moth	maize weevil	pea weevil

Although it is possible to achieve total control of the listed insect pests, this is frequently not realized in actual practice. Factors contributing to less than 100% control are leaks, poor gas distribution, unfavorable exposure conditions, etc. In addition, some insects are less susceptible to phosphine than others. If maximum control is to be attained, extreme care must be taken in sealing, higher dosages must be used, exposure periods lengthened, proper application procedures followed and temperature and humidity conditions must be favorable.

The use of Granules in the short-term fumigation of storages to control vertebrate pests has also proven to be effective. Pests such as rodents and other vertebrate pests, which are frequent sources of problems in storages, may be controlled.

6. COMMODITIES WHICH MAY BE FUMIGATED WITH DEGESCH MAGTOXIN® GRANULES

MAGTOXIN® GRANULES may be used for the fumigation of listed raw agricultural commodities, animal feed and feed ingredients, processed foods, tobacco and certain other non-food items.

6.1 Raw Agricultural Commodities, Animal Feed and Feed Ingredients
Which May Be Fumigated with MAGTOXIN® GRANULES

almonds	flower seed	safflower seed
animal feed & feed ingredients	grass seed	sesame seed
barley	legume vegetables	sorghum
Brazil nuts	(succulent & dried)	soybeans
cashews	millet	sunflower seeds
cocoa beans	oats	triticale
coffee beans	peanuts	vegetable seed
corn	pecans	walnuts
cottonseed	pistachio nuts	wheat
dates	popcorn	
filberts	rice	
	rye	

6.2 PROCESSED FOODS

The listed processed foods may be fumigated with **MAGTOXIN® GRANULES**.

Processed Foods Which May Be Fumigated With MAGTOXIN® GRANULES

- processed candy and sugar
- cereal flours and bakery mixes
- cereal foods (including cookies, crackers, macaroni, noodles, pasta, pretzels, snack foods and spaghetti)
- processed cereals (including milled fractions and packaged cereals)
- cheese and cheese byproducts
- chocolate and chocolate products (such as assorted chocolate, chocolate liquor, cocoa, cocoa powder, dark chocolate coating and milk chocolate products)
- processed coffee
- corn grits
- cured, dried and processed meat products and dried fish
- dates and figs
- dried eggs and egg yolk solids
- dried milk, dried powdered milk, non-dairy creamers and non-fat dried milk
- dried or dehydrated fruits (such as apples, dates, figs, peaches, pears, prunes, raisins, citrus and sultanas)
- processed herbs, spices, seasonings and condiments
- malt
- processed nuts (such as almonds, apricot kernels, brazil nuts, cashews, filberts, macadamia nuts, peanuts, pecans, pistachio nuts, walnuts and other processed nuts)
- processed oats (including oatmeal)
- rice (brewer's rice, grits, enriched and polished)
- soybean flour and milled fractions
- processed tea
- dried and dehydrated vegetables (such as beans, carrots, lentils, peas, potato flour, potato products and spinach)
- yeast (including primary yeast)
- wild rice
- other processed foods

6.3 Non-Food Commodities, Including Tobacco Which May Be Fumigated with MAGTOXIN® GRANULES

The listed non-food items that may be fumigated with **MAGTOXIN® GRANULES**. Tobacco, psyllium seed and psyllium seed husks intended for drug use and certain other of the non-food commodities should not be contacted by residual dust from metal phosphide fumigants. Only lots of psyllium seed and psyllium seed husks destined for shipment to pharmaceutical manufacturers may be fumigated. Such dedicated lots may be fumigated in transport vehicles (truck trailers, railcars, containers, etc.) prior to shipment. In addition, psyllium seed and husks may be fumigated at other locations.

- processed or unprocessed cotton, wool and other natural fibers or cloth, clothing
- straw and hay
- feathers
- human hair, rubberized hair, vulcanized hair and mohair
- leather products, animal hides and furs
- tobacco
- tires (for mosquito control)
- wood, cut trees, wood chips, wood and bamboo products
- paper and paper products
- psyllium seed and psyllium seed husks
- dried plants and flowers

seeds (such as grass seed, ornamental herbaceous plant seed and vegetable seed)
other non-food commodities

7. EXPOSURE CONDITIONS FOR ALL FUMIGATIONS

The following table may be used as a guide in determining the minimum length of the exposure period at the indicated temperatures:

<u>Temperature</u>	<u>Minimum Exposure Periods</u> <u>MAGTOXIN® GRANULES</u>
40°F (5°C)	Do not fumigate
41°-53°F (5-12°C)	4 days (96 hours)
54°-68°F (12-20°C)	3 days (72 hours)
above 68°F (20°C)	2 days (48 hours)

The length of the fumigation must be great enough so as to provide for adequate control of the insect pests that infest the commodity being treated. The proper length of the fumigation period will vary with exposure conditions since, in general, insects are more difficult to control at lower temperatures. Fumigations of temperatures below 40°F (5°C) are not recommended. However, since production of phosphine gas by the DEGESCH Generator is rapid and complete, regardless of ambient temperatures, it is often possible to achieve satisfactory control under cooler conditions, if the exposure period is lengthened and/or if a higher concentration of phosphine gas is used.

It should be noted that there is little to be gained by extending the exposure period if the structure to be fumigated has not been carefully sealed or if the distribution of gas is poor and insects are not subjected to lethal concentrations of phosphine gas. Careful sealing is required to ensure that adequate gas levels are retained and proper application procedures must be followed to provide satisfactory distribution of phosphine gas. Some structures can only be treated when completely tarped while others cannot be properly sealed by any means and should not be fumigated. Exposure times must be lengthened to allow for penetration of gas throughout the commodity when fumigant is not uniformly added to the commodity mass. For example, by surface application of phosphine from the Generator to the top of a tall bin. This is particularly important in the fumigation of bulk commodity contained in large storage bins which should be treated using air from an explosion-proof auxiliary source to drive phosphine from the Generator to all parts of the structure.

Remember, exposure periods recommended in the table are minimum periods and may not be adequate to control all stored products pests under all conditions. The DEGESCH Generator produces phosphine gas very rapidly and completely depletes magnesium phosphide in the **MAGTOXIN® GRANULES** regardless of external environmental conditions of temperature or humidity. Therefore, this is the technique of choice under conditions of low humidity and/or low temperature.

8. DOSAGE RATES FOR COMMODITIES

Phosphine is a mobile gas and will penetrate to all parts of the storage structure. Therefore, dosage must be based upon the total volume of the space being treated and not on the amount of commodity it contains. The same amount of phosphine is required to treat a 30,000 bushel silo whether it is empty or full of grain unless, of course, a tarpaulin seals off the surface of the commodity.

8.1 Maximum Allowable Dosages for Fumigation with MAGTOXIN® GRANULES

<u>PHOSPHINE</u> <u>g/1000 cu.ft.</u>	<u>MAGTOXIN® GRANULES</u> <u>g/1000 cu.ft.</u>
145	304
dates, nuts and dried fruits 20-40g PH ₃ (42-84g Granules/1000 cu.ft.)	
all other commodities 20-145g PH ₃ (42-304g Granules/1000 cu.ft.)	

8.2 Advisory Dosages for Various Types of Fumigations with MAGTOXIN® GRANULES

The above maximum dosages are not to be exceeded and must be calculated to include any metal phosphide fumigants added to the structure. It is important to be aware that a shortened exposure period cannot be fully compensated for with an increased dosage of phosphine gas. Although it is permissible to choose from the full range of dosages listed above, the following dosage ranges can be used as a guideline for the various types of fumigations.

<u>Type of Fumigation</u>	<u>Dosage Ranges</u>	
	<u>Phosphine</u> <u>g/1000 cu.ft.</u>	<u>MAGTOXIN® GRANULES</u> <u>g/1000 cu.ft.</u>
1. Space		
mills, warehouses, etc.	20 - 60	42 - 126
bagged commodities	30 - 60	63 - 126
dried fruits and nuts	20 - 40	42 - 84
stored tobacco	20 - 40	42 - 84
2. Bulk Stored Commodities		
vertical storages	30 - 60	63 - 126
tanks	30 - 70	63 - 147
flat storages (loose construction)	50 - 145	105 - 304
farm bins	70 - 145	147 - 304
bunkers & tarped ground storages	30 - 80	63 - 168
railcars	30 - 65	63 - 136
barges	50 - 145	105 - 304
shipholds	30 - 65	63 - 136

Higher dosages should be considered in structures that are of loose construction and in the fumigation of bulk stored commodities in which diffusion will be slowed and result in poor distribution of hydrogen phosphide gas.

The wide range of dosages listed above may be required to handle the variety of fumigation situations encountered in practice. Somewhat higher dosages, not to exceed the maximum dosage, are usually recommended under cooler conditions or where exposure periods are relatively short. However, the major factor in selection of dosage is the ability of the structure to hold phosphine gas during the fumigation. A good illustration of this point is comparison of the low dosages required to treat modern, well-sealed warehouses with the higher ranges used for poorly constructed buildings that cannot be sealed adequately. In certain other fumigations, proper distribution of lethal concentrations of gas to reach all parts of the structure becomes a very important factor in dose

selection. An example where this may occur is in the treatment with tablets or pellets of grain stored in tall silos. Poor gas distribution frequently results when the solid fumigant cannot be uniformly added to the grain and it must be treated by surface application of a metal phosphide fumigant. Use of the Generator can eliminate the problem of non-uniform gas concentrations.

Likewise, the addition or "add-back" of supplemental phosphine to a storage in the event that significant losses of the original dosage have occurred may readily be accomplished by the Generator. This has the advantage of ease and not requiring re-entry by fumigators into the hazardous atmosphere of the storage.

9. PROTECTIVE CLOTHING

GLOVES:

Wear dry gloves of cotton or other material if contact with **MAGTOXIN® GRANULES** or its dust is likely.

Gloves should remain dry during use.

Wash hands thoroughly after handling magnesium phosphide products.

Aerate used gloves and other contaminated clothing in a well-ventilated area prior to laundering.

10. RESPIRATORY PROTECTION

10.1 When Respiratory Protection Must Be Worn

Respiratory protection is required when concentration levels of phosphine are unknown.

10.2 Permissible Gas Concentration Ranges for Respiratory Protection Devices

A NIOSH/MSHA approved full-face gas mask - phosphine gas canister combination may be used at levels up to 15 ppm or following manufacturers use condition instructions for escape. Above 15 ppm or in situations where the phosphine gas concentration is unknown, a NIOSH/MSHA approved, SCBA must be worn. The NIOSH/OSHA Pocket Guide DHHS (NIOSH) 97-140 or the NIOSH ALERT - Preventing Phosphine Poisoning and Explosions During Fumigation, lists these and other types of approved respirators and the concentration limits at which they may be used.

10.3 Requirements for Availability of Respiratory Protection.

The Generator may never be used to apply phosphine from inside the structure to be fumigated. Respiratory protection is also required for applications from outside the area to be fumigated.

11. REQUIREMENTS FOR CERTIFIED APPLICATOR TO BE PRESENT AND RESPONSIBLE FOR ALL WORKERS AS FOLLOWS:

- A. A Certified Applicator must be physically present, responsible for, and maintain visual and/or voice contact with all fumigation workers during the application of the fumigant and also during the opening of the product containers. Once the application is complete and the structure has been made secure, the certified applicator does not need to be physically present at the site.
- B. A Certified Applicator must be physically present, responsible for, and maintain visual and/or voice contact with all fumigation workers during the initial opening of the fumigation structure for aeration. Once the aeration process is secured and monitoring has established that aeration can be completed safely, the certified applicator does

not need to be physically present and trained person(s) can complete the process and remove the placards.

Persons with documented training in the handling of phosphine products must be responsible for receiving, aerating and removal of placards from vehicles which have been fumigated in-transit. Refer to Section 12 for training requirements.

12. GAS DETECTION EQUIPMENT

There are a number of devices on the market for the measurement of phosphine gas at both industrial hygiene and fumigation levels. Glass detection tubes used in conjunction with the appropriate hand-operated air sampling pumps are widely used. These devices are portable, simple to use, do not require extensive training and are relatively rapid, inexpensive and accurate. Electronic devices are also available for both low level and high phosphine gas readings. Such devices should be used in full compliance with manufacturers' recommendations.

13. NOTIFICATION REQUIREMENTS

13.1 Authorities and On-Site Workers:

As required by local regulations, notify the appropriate local officials (fire department, police department, etc.) of the impending fumigation. Provide to the officials an MSDS and complete label for the product and any other technical information deemed useful. Offer to review this information with the local official(s).

13.2 Incidents Involving These Products:

Registrants must be informed of any incident involving the use of this product. Please call PROSAR: 1-800-308-4856, CHEMTREC: 1-800-424-9300 or (540)234-9281/1-800-330-2525 so the incident can be reported to Federal and State Authorities.

13.3 Theft of products:

Immediately report to the local police department thefts of metal phosphide fumigants.

14. APPLICATOR AND WORKER EXPOSURE

14.1 Exposure Limits

Exposures to phosphine must not exceed the 8-hour time-weighted average (TWA) of 0.3 ppm or the 15 minute short-term exposure limit (STEL) of 1.0 ppm phosphine. All persons are covered by these exposure standards.

14.2 Application of Phosphine Gas Using the DEGESCH Phosphine Generator

At least two persons, a certified applicator and trained person, or two trained persons under the direct supervision of the certified applicator must be present when application is performed.

Use of the DEGESCH Phosphine Generator greatly lessens exposure to the applicator since the gas is generated internally and pumped into the structure through a system which is essentially gas-tight. Gas-tight stoppered flasks are opened, one at a time, for very brief periods during addition of MACTOXIN® GRANULES to the Generator. The Generator should be positioned in open air, alongside the storage under treatment. Care must be taken not to expose the GRANULES to liquid water during additions to the Generator. Do not attempt to apply the GRANULES to the Generator in situations where rain condensation or other sources of liquid water can come into contact with them.

Monitoring must be conducted in order to characterize the application and determine the fumigator's exposure. See Section 10 for respiratory protection requirements.

14.3 Leakage from Fumigated Sites

Phosphine gas is highly mobile and given enough time may penetrate seemingly gas-tight materials such as concrete and cinder block. Therefore, adjacent, enclosed areas likely to be occupied must be examined to ensure that significant leakage has not occurred. Sealing of the fumigated site and/or air-flow in the occupied area must be sufficient to bring down the phosphine concentration to a safe level of 0.3 ppm or below.

14.4 Aeration and Re-entry

If the structure is to be entered after fumigation, it must be aerated until the level of phosphine gas is 0.3 ppm or below. The area or site must be monitored to ensure that liberation of gas from the treated commodity does not result in the development of unacceptable levels (i.e. over industrial hygiene levels of phosphine). Do not allow re-entry into treated structures by any person before the level of phosphine reaches 0.3 ppm or below, unless protected by an approved respirator.

14.5 Handling Unaerated Commodities

Transfer of incompletely aerated commodity via bulk handling equipment such as augers, drag conveyors and conveyor belts to a new storage structure is permissible. A certified applicator is responsible for training workers who handle the transfer of incompletely aerated listed commodities and appropriate measures must be taken (i.e., ventilation or respiratory protection) to prevent exposures from exceeding the exposure limits for phosphine. The new storage structure must be placarded if it contains more than 0.3 ppm phosphine. If the fumigation structure must be entered to complete the transfer, at least two trained persons, wearing proper respiratory protection may enter into the structure. A certified applicator must be physically present during the entry into the structure. Remember transporting containers or vehicles under fumigation over public roads is prohibited.

14.6 Industrial Hygiene Monitoring

Phosphine exposures must be documented in an operations log or manual at each fumigation area and operation where exposures may occur. Monitor airborne phosphine concentrations in all indoor areas to which fumigators and other workers have had access during fumigation and aeration. Perform such monitoring in workers' breathing zones. This monitoring is mandatory and is performed to determine when and where respiratory protection is required. Once exposures have been adequately characterized, spot checks must be made, especially if conditions change significantly or if an unexpected garlic odor is detected or a change in phosphine level is suspected.

14.7 Engineering Controls and Work Practices

If monitoring shows that workers may be exposed to concentrations in excess of the permitted limits, then engineering controls (such as forced air ventilation) and/or appropriate work practices must be used to reduce exposure to within permitted limits. In any case, appropriate respiratory protection must be worn if phosphine exposure limits are exceeded or exposure concentrations are unknown.

15. PLACARDING OF FUMIGATED AREAS

All entrances to the fumigated structure must be placarded. Placards must be made of substantial material that can be expected to withstand adverse

weather conditions and must bear the wording as follows:

1. The signal word DANGER/PELIGRO and the SKULL AND CROSSBONES symbol in red.
2. The statement "Structure, equipment and/or commodity under fumigation. DO NOT ENTER/NO ENTRE".
3. The Statement, "This sign may only be removed by a certified applicator or a person with documented training after the structure and/or commodity is completely aerated (contains 0.3 ppm or less of phosphine gas)".

If incompletely aerated commodity is transferred to a new storage structure, the new structure must also be placarded if it contains more than 0.3 ppm. Workers exposure during this transfer must not exceed allowable limits.

4. The date the fumigation begins.
5. Name and EPA registration number of fumigant used.
6. Name, address and telephone number of the fumigation company and/or applicator.
7. A 24-hour emergency response telephone number.

All entrances to a fumigated structure must be placarded. Where possible, place placards in advance of the fumigation to keep unauthorized persons away. For railroad hopper cars, placards must be placed on both sides of the car near the ladders and next to the top hatches into which the fumigant is introduced.

Do not remove placards until the treated equipment, area and/or commodity is aerated down to 0.3 ppm phosphine gas or less. To determine whether aeration is complete, each fumigated structure or transport vehicle must be monitored and shown to contain 0.3 ppm or less phosphine gas in the air space around and, if feasible, in the mass of the commodity.

16. SEALING OF STRUCTURES

The structure to be fumigated must first be inspected to determine if it can be made sufficiently gas tight. Careful sealing is required so that adequate gas levels are retained. Turn off all ventilation, supply air, air conditioning and any other air moving systems which could negatively affect the fumigation. Thoroughly inspect the structure to be fumigated and seal cracks, holes and openings. These areas could include, but are not limited to: windows, doors, vents, chimneys, open pipes and structural flaws. Sealing techniques can vary, but most often include polyethylene sheeting, adhesive tapes and adhesive sprays. Expandable foam or caulking material can work well on structural flaws. Proper sealing will insure sufficient gas levels within the fumigated structure and will decrease the chance of unwanted exposures outside of the fumigated area.

As with all fumigations, it is required that sealing be inspected for leaks. If phosphine above 0.3 ppm is found in an area where exposure to workers or bystanders may occur, the fumigator, using proper respiratory protective equipment, must attempt to seal the leak from the exterior of the structure. Failing this, the fumigators, following proper procedures to prevent accidental poisoning, may enter the structure and seal the leaks from the interior. If the concentration inside the structure has decreased below the target level as a result of the leakage, additional phosphine may be added following the sealing repairs.

DO NOT FUMIGATE A STRUCTURE THAT CANNOT BE SEALED SUFFICIENTLY GAS TIGHT.

17. AERATION OF FUMIGATED COMMODITIES

As an alternative to the aeration time periods listed below, each container of the treated commodity may be analyzed for residues using accepted analytical methods.

17.1 Foods and Feeds

Tolerances for phosphine gas residues have been established at 0.1 ppm for animal feeds and 0.01 ppm for processed foods. To guarantee compliance with these tolerances, it is necessary to aerate these commodities for 48 hours prior to offering them to the end consumer.

17.2 Non-Food commodities

Aerate all non-food commodities to 0.3 ppm or less of phosphine. Monitor densely packed commodities to ensure that aeration is complete.

17.3 Tobacco

Tobacco must be aerated for at least three days (72 hours) when fumigated in hogsheads and for at least two days (48 hours) when fumigated in other containers or until concentration is below 0.3 ppm. When plastic liners are used, longer aeration periods may be required to aerate the commodity down to 0.3 ppm.

18. STORAGE INSTRUCTIONS

- Do not contaminate water, food or feed by storing pesticides in the same areas used to store these commodities.
- Store **MAGTOXIN® GRANULES** in a dry, well-ventilated area away from heat, under lock and key. Post as a pesticide storage area.
- Do not store in buildings where humans or domestic animals reside. Keep out of reach of children.
- **DEGESCH MAGTOXIN® GRANULES** are supplied in gas-tight, aluminum flasks. Do not expose the product to atmospheric moisture any longer than is necessary. Once the flask is opened, the entire contents must be used.
- The shelf life of **GRANULES** are virtually unlimited as long as the containers are tightly sealed.

18.1 Labeling of Storage

The labeling of the storage area should take into account the needs of a variety of organizations. These include, but not be limited to: company policy, insurance carrier, Occupational Safety and Health Administration (OSHA), Emergency Planning and Community Right-to-Know and local emergency response professionals. At a minimum, the storage must be marked with the following signs and must be locked:

1. Danger, Poison (with skull and cross bones)
2. Authorized Personnel Only
3. National Fire Protection Association (NFPA) Hazard Identification Symbols for the pesticide storage

The NFPA has developed Hazard Identification Symbols. This standardized system is designed to provide, at a glance, the

information regarding the health, fire and reactivity hazards associated with hazardous materials. The following are the hazard categories and degree of hazard for magnesium phosphide:

<u>Category</u>	<u>Degree of Hazard</u>
Health	4 (Severe Hazard)
Flammability	4 (Severe Hazard)
Reactivity	2 (Moderate)
Special Notice Key	W

NOTE: When using the NFPA Hazard Identification System, the characteristics of all hazardous materials stored in a particular area must be considered. The local fire protection district should be consulted for guidance on the selection and placement of such signs.

19. TRANSPORTATION INSTRUCTIONS

The United States Department of Transportation (DOT) classifies magnesium phosphide as Dangerous When Wet material and it must be transported in accordance with DOT regulations.

19.1 TRANSPORT DESIGNATIONS - The following transport designations apply to magnesium phosphide

- Identification No.: UN 2011
- Proper Shipping Name: Magnesium phosphide
- Hazard Class: 4.3 (6.1)
- Packing Group: PG I
- Shipping Label: Dangerous When Wet/Poison
- Shipping Placard: Dangerous When Wet

19.2 Transportation Special Permit:

Special Permit: DOT-SP11329
 Purpose and Limitation: "...The motor vehicles used under the terms of this special permit are not required to be placarded..."

Modes of Transportation Authorized: Motor vehicle (Only private motor vehicles used in pest control operations are authorized to transport the packages covered by the terms of this special permit.)

NOTE: You must have a copy of this special permit with you during transportation. For a copy of this special permit contact:

DEGESCH AMERICA, INC.
 153 Triangle Drive
 P. O. Box 116
 Weyers Cave, VA 24486
 Tel.: (540)234-9281/1-800-330-2525
 Internet: www.degeschamerica.com

20. REQUIRED WRITTEN FUMIGATION MANAGEMENT PLAN

The certified applicator is responsible for working with the owners and/or responsible employees of the structure and/or area to be fumigated to develop and follow a Fumigation Management Plan (FMP). State, county and local authorities may also have specific requirements. The FMP must be written PRIOR TO EVERY treatment. The FMP is intended to ensure a safe and effective fumigation. The FMP must address characterization of the structure and/or area, and include appropriate monitoring and notification requirements, consistent with, but not limited to, the following:

1. Inspect the structure and/or area to determine its suitability for fumigation.
2. When sealing is required, consult previous records for any changes to the structure, seal leaks and monitor any occupied

- adjacent buildings to ensure safety.
3. Prior to each fumigation, review any existing FMP, MSDS, product label (which includes the Applicator's Manual and container label) and other relevant safety procedures with company officials and appropriate employees.
 4. Consult company officials in the development of procedures and appropriate safety measures for nearby workers that will be in and around the area during application and aeration.
 5. Consult with company officials to develop an appropriate monitoring plan that will confirm that nearby workers and bystanders are not exposed to levels above the allowed limits during application, fumigation and aeration. This plan must also demonstrate that nearby residents will not be exposed to concentrations above the allowable limits.
 6. Consult with company officials to develop procedures for local authorities to notify nearby residents in the event of an emergency.
 7. Confirm the placement of placards to secure entrance into any area under fumigation.
 8. Confirm the required safety equipment is in place and the necessary manpower is available to complete a safe and effective fumigation.
 9. Written notification must be provided to the receiver of a vehicle that is fumigated in-transit.

These factors must be considered in putting a FMP together. It is important to note that some plans will be more comprehensive than others. All plans should reflect the experience and expertise of the applicator and circumstances at and around the structure and/or area.

In addition to the plan, the applicator must read the complete label, which includes the container label and the Applicator's Manual, and follow its directions carefully. If the applicator has any questions about the development of a FMP contact DEGESCH AMERICA, INC. for further assistance.

The FMP and related documentation, including monitoring records, must be maintained for a minimum of 2 years.

STEPS FOR PREPARATION OF THE REQUIRED WRITTEN FUMIGATION MANAGEMENT PLAN

Purpose

A Fumigation Management Plan (FMP) is an organized, written description of the required steps involved to help ensure a safe, legal and effective fumigation. It will also assist you and others in complying with pesticide product label requirements. The guidance that follows is designed to help assist you in addressing all the necessary factors involved in preparing for and fumigating a structure and/or area.

This guidance is intended to help you organize any fumigation that you might perform PRIOR TO ACTUAL TREATMENT. It is meant to be somewhat prescriptive, yet flexible enough to allow the experience and expertise of the fumigator to make changes based on circumstances which may exist in the field. By following a step-by-step procedure, which allow for flexibility, a safe and effective fumigation can be performed.

Before any fumigation begins, carefully read and review the entire label, which includes the container label and the Applicator's Manual. This information must also be given to the appropriate company officials (supervisors, foreman, safety officer, etc.) in charge of the site. Preparation is the key to any successful fumigation. If you do not find

specific instructions for the type of fumigation that you are to perform listed in this Guidance Document you will want to construct a similar set of procedures using this document as your guide or contact DEGESCH AMERICA, INC. for assistance. Finally, before any fumigation begins you must be familiar with and comply with all applicable federal, state and local regulations. The success of the fumigation is not only dependent on your ability to do your job but also upon carefully following all rules, regulations and procedures required by governmental agencies.

A CHECKLIST GUIDE FOR A FUMIGATION MANAGEMENT PLAN

This checklist is provided to help you take into account factors that must be addressed prior to performing all fumigations. It emphasizes safety steps to protect people and property. The checklist is general in nature and cannot be expected to apply to all types of fumigation situations. It is to be used as a guide to prepare the required plan. Each item must be considered. However, it is understood that each fumigation is different and not all items will be necessary for each fumigation site.

A. PRELIMINARY PLANNING AND PREPARATION

- 1. Determine the purpose of the fumigation
 - a. Elimination of insect infestation
 - b. Elimination of vertebrate pests
 - c. Plant pest quarantine
- 2. Determine the type of fumigation, for example
 - a. Space: tarp, mill, warehouse, food plant or outdoor area
 - b. Transport Vehicle: railcar, truck, van or container
 - c. Commodity: raw agricultural or processed foods or non-food
 - d. Type of Storage: vertical silo, farm storage, flat storage, etc.
- 3. Fully acquaint yourself with the structure and equipment to be fumigated, including:
 - a. The general structure layout, construction (materials, design, age, maintenance), of the structure, fire or combustibility hazards, connecting structures and escape routes, above and below ground and other unique hazards or structure characteristics. Prepare, with the owner/operator/person in charge a drawing or sketch of structure to be fumigated, delineating features, hazards and other structural characteristics.
 - b. The number and identification of persons who routinely enter the area to be fumigated (i.e., employees, visitors, customers, etc.)
 - c. The specific commodity to be fumigated, its mode of storage and its condition.
 - d. The previous treatment history of the commodity, if available.
 - e. Accessibility of utility service connections.
 - f. Nearest telephone or other means of communication. Mark the location of these items on the drawing/sketch.
 - g. Emergency shut-off stations for electricity, water and gas. Mark the location of these items on the drawing/sketch.
 - h. Current emergency telephone numbers of local Health, Fire, Police, Hospital and Physician responders.
 - i. Name and phone number (both day and night) of appropriate company officials.
 - j. Check, mark and prepare the points of fumigant application locations if the job involves entry into the structure for fumigation.
 - k. Review the entire label which includes both the container label and Applicator's Manual:
 - 1. Exposure time considerations
 - 1. Product to be used
 - 2. Minimum fumigation period, as defined and described by the label

use directions

- 3. Down time required to be available
- 4. Aeration requirements
- 5. Clean-up requirements, including dry or wet deactivation methods, equipment and personnel needs, if necessary.
- 6. Measured and recorded commodity temperature and moisture.
- m. Determination of dosage
 - 1. Cubic footage or other appropriate space/location calculations
 - 2. Structure sealing capability and methods
 - 3. Maximum allowable label dosage rates
 - 4. Temperature, humidity and wind
 - 5. Commodity/space volume
 - 6. Past history of fumigation of structure
 - 7. Exposure time

B. PERSONNEL

- 1. Confirm in writing that all personnel in and around the structure and/or area to be fumigated have been notified prior to application of the fumigant. Consider using a checklist that each employee initials indicating they have been notified.
- 2. Instruct all fumigation personnel to read the Applicator's Manual. Fumigation personnel must be trained in the proper method of application, the hazards that may be encountered and the selection of personal protection devices including detection equipment.
- 3. Confirm that all personnel are aware of and know how to proceed in case of an emergency situation.
- 4. Instruct all personnel on how to report any accident and/or incidents related to fumigant exposure. Provide a telephone number for emergency response reporting.
- 5. Instruct all personnel to report to proper authorities any theft of fumigant and/or equipment related to fumigation.
- 6. Establish a meeting area for all personnel in case of emergency.

C. MONITORING

- 1. Safety
 - a. Monitoring phosphine concentrations must be conducted in areas to prevent excessive exposure and to determine where exposure may occur. Document where monitoring will occur.
 - b. Keep a log or manual of monitoring records for each fumigation site. This log must at a minimum contain the timing, number of readings taken and level of concentrations found in each location.
 - c. When monitoring, document even if there is no phosphine present above the safe levels. In such cases, subsequent monitoring is not routinely required. However, spot checks must be made occasionally, especially if conditions change significantly.

2. Efficacy

- a. For stationary structures, phosphine gas readings MUST be taken from within the fumigated structure to insure proper gas concentrations.
- b. All phosphine concentration readings must be documented.

D. NOTIFICATION

- 1. Confirm the appropriate local authorities (fire departments, police departments, etc.) have been notified as per label instructions, local ordinances if applicable, or instructions of the client.
- 2. Prepare written procedure ("Emergency Response Plan"), which contains explicit instructions, names and telephone numbers so as to be able to notify local authorities if phosphine levels are exceeded in an area that could be dangerous to bystanders and/or domestic animals.

- 3. Confirm that the receiver of in-transit vehicles under fumigation have been notified and are trained according to Section 12 of this Applicator's Manual.

E. SEALING PROCEDURES

- 1. Sealing must be adequate to control the pests. Care should be taken to insure that sealing materials would remain intact until the fumigation is complete.
- 2. If the equipment or structure has been fumigated before, review the previous FMP for previous sealing information.
- 3. Make sure that construction/remodeling has not changed the building in a manner that will affect the fumigation.
- 4. Warning placards must be placed on every possible entrance to the fumigation structure.

F. APPLICATION PROCEDURES & FUMIGATION PERIOD

- 1. Plan carefully and apply all fumigants in accordance with the label requirements.
- 2. When entering into the area under fumigation, always work with two or more people under the direct supervision of a certified applicator wearing appropriate respirators.
- 3. Apply **MAGTOXIN® GRANULES** fumigant with the Generator, from the outside only.
- 4. Provide watchmen when the possibility of entry into the fumigation site by unauthorized persons cannot otherwise be assured.
- 5. When entering structures, always follow OSHA rules for confined spaces.
- 6. Document that the receiver of vehicles fumigated in-transit has been notified.
- 7. Turn off any electric lights in the fumigated area of the structure as well as all non-essential electrical motors.

G. POST-APPLICATION OPERATIONS

- 1. Provide watchmen when the fumigation structure cannot be secured from entry by unauthorized persons during the aeration process.
- 2. Aerate in accordance with structural limitations.
- 3. Turn on ventilating or aerating fans where appropriate.
- 4. Use a suitable gas detector before re-entry into a fumigated structure to determine fumigant concentration.
- 5. Keep written records of monitoring to document completion of aeration.
- 6. Consider temperature when aerating.
- 7. Ensure that aeration is complete before moving a treated vehicle onto public roads.
- 8. Remove warning placards when aeration is complete.
- 9. Inform business/client that employees/other persons may return to work or otherwise be allowed to re-enter the aerated structure.

21. APPLICATION PROCEDURES

A FMP must be written PRIOR to all applications.
 A FMP must be devised for application and exposure period, aeration and disposal of the fumigant so as to keep to a minimum any exposures to phosphine gas and to help assure adequate control of the insect pests.

21.1 Fumigation of Warehouses, Mills and Food Processing Plants

- 1. Read the complete label, MSDS and related safety material.
- 2. Develop an appropriate Fumigation Management Plan.

3. Using information provided in the Applicator's Manual, calculate the dosage of phosphine to be applied and the duration of the fumigation based upon the volume of the building, the general tightness of the structure and the air and/or commodity temperature.
4. Turn off all lights within the area to be treated and shut off all electrical motors not essential to operation of the storage.
5. Carefully seal and place warning placards on the space to be fumigated. Doors leading to the fumigated space should be closed, sealed, locked and placarded with fumigation warning signs.
6. Attach the outlet and inlet piping from the DEGESCH Generator so that air from inside the structure is pulled into the Generator to dilute the phosphine-carbon dioxide mixture and then injected back into the space to be treated.
7. Add **MAGTOXIN® GRANULES** to the DEGESCH Generator and inject phosphine into the structure. Make sure beforehand that the funnel through which the GRANULES are applied and the receiving chamber for the GRANULES are not wet. Do not allow the GRANULES to contact water outside the Generator.
8. Although phosphine will diffuse very rapidly through open air, it is a good idea to continue recirculation of air from the Generator until adequate concentrations of phosphine are attained throughout the structure, as determined by gas concentration readings. Phosphine may be injected into the structure at several points if necessary to achieve more uniform distribution of the gas.

21.2 Fumigation of Vertical Storages (farm bins, concrete upright bins and other silos)

1. Develop an appropriate Fumigation Management Plan.
2. Carefully seal and place fumigation warning placards on the storage.
3. Smaller bins and silos may be fumigated by recirculation of phosphine gas produced by the Generator, in a manner similar to that employed for warehouses. Alternatively, they may be treated by adding gas from the Generator without recirculation into the bottom of the bin or silo. Addition is continued until phosphine is detected at the opening at the top of the structure.
4. Larger vertical storages, whose volumes greatly exceed the capacity of the fan motor (120 m³/hr., 4200 ft.³/hr.) of the DEGESCH Generator, will require an explosion-proof auxiliary air supply to distribute phosphine throughout the silo in a reasonable length of time. Depending upon the volume of the silo, the auxiliary air should have a flow rate of 5 to 10 times that of the Generator's fan, 350 to 700 cfm. Use of an auxiliary air supply will enable the addition of phosphine from the DEGESCH Generator and distribution of the gas throughout the structure to be complete within a few hours.
5. For fumigation of larger vertical storages, leave an opening of 2 sq. ft. or more at the top of the structure. This will prevent a build-up of pressure from gas pumped into the storage. Place a gas sampling near the top of the storage.

6. Connect the outlet gas lines from the DEGESCH Generator and the auxiliary air supply to the bottom of the silo.
7. Turn on the explosion-proof auxiliary air supply and then begin injection of phosphine from the Generator into the storage.
8. Take periodic gas readings from the top of the silo, particularly near the time estimated for phosphine to reach the top.
9. Plan the addition of **MAGTOXIN® GRANULES** to the DEGESCH Generator so that phosphine is being generated more or less continuously throughout the time estimated for phosphine to reach the top.
10. Turn off the auxiliary air supply and disconnect the Generator when the **MAGTOXIN® GRANULES** have been reacted and all the phosphine has been injected into the structure.
11. More or less uniform concentrations will be reached by diffusion of phosphine throughout the structure with several additional hours. This may be verified by making gas readings from sampling lines placed in appropriate positions in the storage.

21.3 Fumigation of Flat Storages, Bunkers and Other Tarpred Structures

1. Develop an appropriate Fumigation Management Plan.
2. Establish a plan for application of phosphine gas depending upon the characteristics of the structure to be treated. For example, it is difficult to treat a flat storage containing grain at depths greater than above 20 ft. and having no aeration ducts unless the storage is sealed very carefully.
3. If the structure has no aeration ducts, the surface of the grain must be carefully tarpred and remainder of the building sealed as tightly as possible.
4. Inject and recirculate phosphine gas through the aeration ducts or at points below the surface of the grain. Depending upon the size of the storage, it may be necessary to make injections of gas at several points along its perimeter.
5. It is recommended that gas concentration measurements be made at several points in the structure to verify the presence of lethal concentration throughout the term of the fumigation.

21.4 Fumigation of Railcars, Containers, Trucks, Vans and Other Transport Vehicles and Small Storages

Railcars and containers, trucks, vans and other transport vehicles shipped piggyback by rail may not be fumigated in-transit with **MAGTOXIN® GRANULES**.

Develop an appropriate Fumigation Management Plan.

Transport vehicles and other small storages loaded with bulk commodities to which phosphine gas may be added directly are treated in essentially the same way as any other small storage facility. Carefully seal all vents, cracks or other leaks in the small storage. Small volume storages such as transport vehicles

and small tarped spaces, buildings and rooms may be treated by adding the appropriate amount of phosphine gas from the Generator affixed to the space in the recirculation mode. See Section 16 of this Applicator's Manual for placarding requirements.

21.5 Fumigation of Storages to Control Rodents and Other Vertebrate Pests

Develop an appropriate Fumigation Management Plan.

Rodents and many other vertebrate pests in storages may be controlled with short-term fumigations using the DEGESCH Phosphine Generator. In contrast to insects, which generally require 3 or more days of fumigation to obtain adequate control, rodents and other vertebrate pests may be controlled within 1 to 4 hours after achieving distribution of phosphine throughout the structure. A concentration of 220 ppm PH₃ will control these pests in about one hour. Control will be achieved by exposure to 440 ppm PH₃ for one-half hour, 110 ppm PH₃ for two hours and so forth.

22. DISPOSAL INSTRUCTIONS

22.1 General

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

Unreacted or partially reacted **MAGTOXIN® GRANULES** are acutely hazardous. Improper disposal of excess pesticide 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. For specific instructions, see Section 24 of this manual, Spill and Leak Procedures.

Some local and state waste disposal regulations may vary from these general recommendations. Disposal procedures should be reviewed with appropriate authorities to ensure compliance with local regulations. Contact your state Pesticide or Environmental Control Agency or Hazardous Waste Specialist at the nearest EPA Regional Office for guidance.

The magnesium carbonate slurry produced in the Generator from the **GRANULES** will contain virtually no unreacted magnesium phosphide. This will be a non-hazardous waste. However, incompletely exposed **MAGTOXIN® GRANULES** will require special care for disposal.

Container Disposal:

The aluminum flasks are non-refillable containers. Do not reuse or refill aluminum flasks. Offer for recycling, if available. Triple rinse empty flasks with water if contacted with spent or partially reacted dust from **MAGTOXIN® GRANULES**. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. Rinsate may be disposed of in a sanitary landfill, pouring it out onto the ground or by other approved procedures. It is permissible to expose empty flasks to atmospheric conditions until residue is reacted. Then puncture and dispose of in a sanitary landfill or other approved site, or by other procedures approved by state and local authorities. If properly exposures during the fumigation period, spent **GRANULES** will contain virtually no unreacted magnesium phosphide. This will be a non-hazardous waste. However, incompletely exposed **GRANULES** require special care for disposal.

22.2 Directions for Disposal of Reacted MAGTOXIN® GRANULES

Confinement of partially spent MAGTOXIN® GRANULES, as in a closed container or plastic bag, may result in a fire hazard. Small amounts of phosphine gas may be given off from unreacted magnesium phosphide and confinement of the gas may result in a flash..

In open areas, GRANULES may be disposed of on-site by burial.

Unreacted or improperly exposed MAGTOXIN® GRANULES must be further deactivated before disposal at a landfill.

The spent slurry produced by the Generator from MAGTOXIN® GRANULES is not a hazardous waste and may be disposed of at a sanitary landfill, or other approved sites or means, with or without prior decanting. Where permissible, the slurry or the decanted water from the slurry may be poured out onto the ground or may be poured into a storm sewer.

23. SPILL AND LEAK PROCEDURES

23.1 General Precautions and Directions

A spill, other than incidental to application or normal handling, may produce high levels of gas and, therefore, attending personnel must wear self-contained breathing apparatus (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 MAGTOXIN® GRANULES. Water in contact with unreacted metal phosphide will greatly accelerate the production of phosphine gas which could result in a toxic and/or fire hazard. Wear dry gloves of cotton or other material when handling metal phosphides.

In the event of damage during shipment of the GRANULES, return all intact aluminum flasks to fiberboard cases or other packaging which has been suitably constructed and marked according to DOT regulations. Notify consignee and shipper of damaged packaging.

If aluminum flasks have been punctured or damaged so as to leak, they may be temporarily repaired with aluminum tape or the GRANULES may be transferred from the damaged flask to a sound metal container which should be sealed and properly labeled as magnesium phosphide. MAGTOXIN® GRANULES which have spilled or have been exposed to air for more than a few minutes must not be resealed. This might result in a dangerous buildup of pressure. This material must be deactivated by the wet method or by exposure to atmospheric moisture. Transport the damaged containers to an area suitable for pesticide storage for inspection. Further instructions and recommendations may be obtained, if required, from DEGESCH America, Inc.

If the flasks have been damaged so severely that they cannot be sealed and if no sound metal containers are available, the GRANULES may be deactivated by spreading out in a thin layer on the ground. The GRANULES should then be covered with an inch or two of sand or soil to prevent them from being carried away by wind. Do not use this procedure during periods of rain or if the soil is wet.

23.2 Directions for Deactivation by the Wet Method

If the contaminated material cannot to be held until completely reacted by exposure to atmospheric moisture, deactivate the product by the "Wet Method" as follows:

Water is used for deactivation of MAGTOXIN® GRANULES and other magnesium phosphide fumigants. Detergent solution is not required.

Fill several drums or other containers to be used for wet deactivation with water to within an inch or two of the top. Do not allow a large headspace above the surface of the water.

Magnesium phosphide reacts very vigorously with water and, therefore, only a small amount of unexposed or partially exposed **MAGTOXIN® GRANULES** should be wet deactivated at one time. Fresh additions may be made as soon as the vigorous reaction of the **GRANULES** has subsided.

Reaction of **MAGTOXIN® GRANULES** with water is practically complete within just a few minutes. However, the **GRANULES** should be totally immersed for at least 6 hours to ensure total hydrolysis.

Caution: Removal of the GRANULES from water before they are largely deactivated may result in fire. Deactivated material may then be taken to an approved site for disposal. Dispose of the water at a sanitary landfill or other approved site or means. Where permissible, the water may be poured out onto the ground or it may be poured into a storm sewer.

Caution: Wear appropriate respiratory protection during wet deactivation of unexposed or incompletely exposed MAGTOXIN® GRANULES.

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WARRANTY

Seller warrants that the product conforms to its chemical description and when used according to label directions under normal conditions of use, it is reasonably fit for the purposes stated on the label. To the extent consistent with applicable law, the Seller makes no other warranty, either expressed or implied, and Buyer assumes all risks should the product be used contrary to label instructions.