

5011-60

5-2-2005

# FORMULA GH-18 ORGANOPHOSPHATE

**ACCEPTED**  
MAY 2 2005  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
Registered under  
EPA Reg. No. 5011-60

**ACTIVE INGREDIENTS:**  
Naled-1,2-dibromo-2,2 dichloroethyl dimethyl  
phosphate.....10.00%  
Inert Ingredients\*.....90.00%  
TOTAL.....100.00%

\* Contains petroleum distillates.

THIS PRODUCT CONTAINS 0.75 LBS. OF NALED PER GALLON

**KEEP OUT OF REACH OF CHILDREN**

**POISON DANGER PELIGRO POISON**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

**FIRST AID - ORGANOPHOSPHATE**

<b>If in eyes</b>	-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 treatment advice.
<b>If swallowed</b>	-Call a poison control center or doctor immediately for treatment advice. <del>Have person sip a glass of water if able to swallow.</del> -Do not induce vomiting unless told to do so by a poison control center or doctor. -Do not give any liquid to the person. -Do not give anything by mouth to an unconscious person.
<b>If on skin or clothing</b>	-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.
<b>If inhaled</b>	-Move person to fresh air. -If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. -Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
Questions? 1-800-544-8990

**NOTE TO PHYSICIAN**

**NOTE TO PHYSICIAN-POISONING SYMPTOMS:** Symptoms include weakness, headache, lightheadedness, blurred vision, non-reactive pin point pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps.

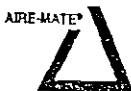
**TREATMENT:** Contains an organophosphate that inhibits cholinesterase. Solvent may present aspiration hazard. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10 minute intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Pralidoxime chloride (2-PAM) may also be used as an effective antidote in addition to and while maintaining full atropinization. In adults, an initial dose of 1 gram of 2-PAM should be injected, preferably as an infusion in 250 cc of saline over a 15 to 30 minute period. If this is not practical, 2-PAM may be administered slowly by intravenous injection as a 5 percent solution in water over not less than two minutes. After about an hour, a second dose of 1 gram of 2-PAM will be indicated if muscle weakness has not been relieved. For infants and children the dose of 2-PAM is 0.25 gram. Morphine is an improper treatment. Clear chest by postural drainage. Oxygen administration may be necessary. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may without warning cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until cholinesterase regeneration has been attained as determined by blood test.

Probable mucosal damage may contraindicate the use of gastric lavage.

See Side panels For Additional Precautionary Statements

E.P.A. Reg. No. 5011-60

E.P.A. Est. No. 5011-IN-1



MANUFACTURED BY

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS (& DOMESTIC ANIMALS)**

**Precautionary Statements:**

**DANGER:** Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. May be fatal if swallowed, inhaled or absorbed through the skin. Do not breathe fog or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

**Personal Protective Equipment:**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

"Mixers, loaders, applicators, and other handlers using hand-held equipment, participating in applications to greenhouses, or engaged in those other handler activities for which use of an engineering control is not possible, such as cleaning up a spill or leak and cleaning or repairing contaminated equipment, must wear:

- coveralls over long-sleeved shirt and long pants,
- chemical-resistant gloves, such as Nitrile rubber  $\geq 14$  mils or Barrier laminate  $\geq 14$  mils or Neoprene rubber  $\geq 14$  mils or Viton  $\geq 14$  mils,
- chemical-resistant footwear plus socks,
- chemical-resistant apron if exposed to the concentrate,
- chemical-resistant headgear for overhead exposure, and
- a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH-approved respirator with an organic-vapor (OV) cartridge or canister with any R or P prefilter.

**Exception:** Handlers who enter into hot-plate-treated greenhouses to operate ventilation systems or to respond to an emergency and remain in the treated greenhouse for more than **10 consecutive minutes** at any time from when the hot-plate is activated and until the required ventilation criteria have been met, must wear a NIOSH-approved respirator that is one of the following types:

- a supplied-air respirator (MSHA/NIOSH approval number prefix TC-19C), or
- a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TC-13F)."

**User Safety Requirements:**

Any handler who, due to an emergency or to operate ventilation equipment, enters a greenhouse anytime after the hot-plate is activated and before the ventilation criteria have been met must maintain continual visual or voice contact with another handler. That other handler must have immediate access to the PPE required on this labeling for handlers for which engineering controls are not feasible in the event entry into the treated greenhouse becomes necessary for rescue.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water.

Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**Continued**

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS (& DOMESTIC ANIMALS) Continued**

**User Safety Recommendations:**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish, aquatic invertebrates, and wild life. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply within 24 hours following irrigation. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow drift to blooming crops or weeds while bees are actively visiting the treatment area.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use or store near open flame or heat..

**STORAGE AND DISPOSAL**

**Prohibitions:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**Pesticide Storage:** Do not store with food, feed, drugs or clothing. Store securely to prevent cross contamination of other pesticides and fertilizer. Store in original, tightly closed container. Store above 35°F. If subjected to temperatures below 32°F., move container to warm storage until reaching average room temperature and thoroughly mix before use.

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

**Container Disposal:** Plastic-Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of the smoke. Metal: Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedure approved by state and local authorities.

## DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Manual activation of hot-plates and ventilation is prohibited. Application by heat/steam pipe painting is prohibited. For use in commercial greenhouses only. Use in residential greenhouses or other indoor plant sites is prohibited. Do not apply this product to a greenhouse that is attached to another structure, including another greenhouse, unless the greenhouse to be treated is entirely sealed off from other structures. Do not apply this product in any greenhouse that is located within 100 feet in any direction of a residential area (e.g., homes, apartments, schools, playgrounds, recreational areas). For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

#### Restricted Entry Interval

**Entry prohibition period:** Entry (including early entry that would otherwise be permitted under the WPS) by any person – other than a correctly trained and PPE-equipped applicator who is operating ventilation equipment or responding to an emergency is PROHIBITED in the entire greenhouse (entire enclosed structure/building) from the start of application until the greenhouse is ventilated as follows: (1) 10 air exchanges; (2) 2 hours of mechanical (fans) ventilation; or (3) 4 hours of passive (vents, windows) ventilation. Note: the PPE requirements for handlers entering during the entry prohibition period are listed in the label precautionary statements.

**Restricted entry interval and early-entry restrictions:** Do not enter or allow worker entry into a treated greenhouse following hot-plate applications during the restricted entry interval (REI) of 24 hours. After the initial ventilation criteria have been met, workers who enter the treated greenhouse to perform WPS-permitted early-entry tasks (1) must wear the following early-entry PPE: coveralls, waterproof gloves, and protective eyewear AND (2) must work in the treated area for no more than 4 hours in the first 24 hours following application. In addition, when any worker is present in the greenhouse during the 24-hour REI, the greenhouse must be ventilated – continuously or intermittently – so that within each hour at least one of the following ventilation criteria has been met: 2 air exchanges or 5 minutes of mechanical (fans) ventilation, or 10 minutes of passive (vents, windows) ventilation.

#### Double Notification Statement

Notify workers of the application by warning them orally and by posting fumigant warning signs at all entrances to the greenhouse. The signs must bear the skull and crossbones symbol and state: (1) "Danger/Pellagra;" (2) "Greenhouse under fumigation, DO NOT ENTER/NO ENTRE;" (3) the date and time of fumigation; (4) (insert name of product) in use; and (5) name, address, and phone number of the applicator. Post the fumigant warning sign instead of the WPS sign for this application but follow all WPS requirements pertaining to location, legibility, size, and timing of the posting and removal. Once the initial ventilation criteria specified for the greenhouse hot-plate applications have been met, then remove all the fumigant warning signs and post WPS signs at entrances to the greenhouse for the remainder of the restricted entry interval.

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## DIRECTIONS FOR USE (Continued)

When applied as an aerosol with the Dyna-Fog® Applicator, GH-18 is recommended for the suppression of serious infestations on ornamentals of Red Spider Mites and Mealybugs, and for the control of Aphids, Whiteflies, and Thrips on Roses (except White Butterfly variety), Chrysanthemum (except Shasta variety), Carnations, Snapdragons, and Poinsettias.

**PREPARATION PRIOR TO FOGGING:** (1) Close all doors, windows and ventilators. (2) Lock or barricade all entrances. Take precautions to prevent animals from entering the area. (3) Turn off all misting systems. Be certain all blossoms and foliage are dry. Turn off all sulphur vaporizers 24 hours prior to fogging. (4) Room temperature should read from 70° to 85°F for best insect kill.

**DURATION OF EXPOSURE:** Length of exposure time is 1 1/2 hours. After the exposure time, the greenhouse should be well ventilated.

**ORNAMENTALS-** (1) Calculate in cubic feet the greenhouse space to be treated. For most greenhouse ornamentals- 1 ounce of GH-18 will treat 3,000 cu. ft. of space; 16 ounces will treat 50,000 cu. ft.; and 32 ounces will treat 100,000 cu. ft. (2) Pour into the Dyna-Fog® applicator insecticide tank, the required number of ounces of Formula GH-18 to treat the calculated space. (3) Open the metering valve counterclockwise on the Dyna-Fog® applicator to setting No. 4 on the dial. Eight ounces of liquid will be fogged per minute with a mass median diameter size of 5 microns. (4) Start the pulsating jet engine of the fog applicator and allow it to run for one full minute before opening the insecticide valve. (5) Walk backward down the entire length of the center aisle directing the fog under the benches, swaying the machine back and forth to blanket two benches from each side of the aisle. Keep the fog applicator nozzle at a minimum of 4 feet from plants. The Dyna-Fog® applicator should never be used in a fixed position-it is to be constantly moving so as to cover the entire area as evenly as possible. Do not over-apply to the point where foliage is visibly wet. For ground beds, walk backward down the center aisle directing the fog applicator nozzle at a 30° angle downward so that the fog hits the ground. Repeat applications as often as necessary.

**NOTICE:** Seller makes no warranty other than specified on this label. The buyer agrees that the seller shall not be responsible or liable for injury to crop, soil, person or property arising from careless or improper use or handling of the product. Please use in accordance with seller's directions.