

FLOWABLE ORNAMENTAL FUNGICIDE

ACTIVE INGREDIENT: (% by weight)	
Pentachloronitrobenzene (PCNB)	40.0%
INERT INGREDIENTS:	
TOTAL:	100.0%

Contains 4 lbs. of Pentachloronitrobenzene per U.S. gallon Contains petroleum distillates, xylene or xylene range aromatic solvents

KEEP OUT OF REACH OF CHILDREN CAUTION

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 If in eyes:	(If you do no	ot understand the label, find someone to explain it to you in detail.)			
Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. If on skin or clothing: Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, and give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. If swallowed: If swallowed: 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. EMERGENCY INFORMATION Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY: For Medical Emergencies phone: 1-888-681-424 For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC 1-880-424-936 For Product Use Information phone : AMVAC NOTE TO PHYSICIAN		FIRST AID			
Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. 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 Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, and give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. If swallowed: Immediately call a poison control center or doctor. 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. EMERGENCY INFORMATION Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY: For Medical Emergencies phone: 1-888-681-424 For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC®. 1-888-462-685 NOTE TO PHYSICIAN	If in eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes.			
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	For Froduct Ose Informatio	DI PHOLE . AM VAC1-888-402-0822			
Contains petroleum distillate. Vomiting may cause aspiration pneumonia.		NOTE TO PHYSICIAN			
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SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

EPA Reg. No. <u>5481-8992</u>
EPA Est. No

NET WEIGHT: _____



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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if absorbed through the skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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.

Applicators and other handlers (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, or nitrile rubber, or neoprene rubber or viton
- Shoes plus socks

Mixers and Loaders Must Wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, or nitrile rubber, or neoprene rubber or viton
- Shoes plus socks
- For exposures in enclosed areas: 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 N, R, P, or HE prefilter.
- For exposure outdoors: Dust/Mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Requirements

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

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 and aquatic organisms. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. 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 contaminate water when disposing of equipment wash waters.

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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. 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 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 intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves such as barrier laminate or nitrile rubber, or neoprene rubber, or viton
- Shoes plus socks

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not enter or allow others to enter treated areas until area has been irrigated and turf has dried.

APPLICATION INFORMATION

Terraclor 400 is a preventive fungicide labeled for control of certain soil borne diseases of non-residential ornamentals. Best results are achieved when used in a preventive program. Follow specified rates and application directions. Carefully read, understand and follow label directions.

Restrictions

- Use of Terraclor 400 is prohibited on
 - o golf course roughs;
 - o residential sites including lawns, yards, and ornamental plants and gardens around homes and apartments;
 - o grounds around day care facilities;
 - o school yards;
 - o parks (except industrial parks);
 - o playgrounds; and
 - athletic fields.

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- Do not apply this product by air.
- Chemigation or pesticide applications through irrigation systems are only permitted for ornamentals. Do not apply this product to any other crops through any type of irrigation systems.
- Do not graze treated areas or feed clippings to livestock.
- For Cole Crop applications, Mixers and Loaders cannot handle more than 150 gallons product per day (equivalent to 600 lbs. A.I. /day). Applicators cannot apply more than 337 gallons of product per day (1,350 lbs. A.I. /day)
- Do not plant root crops in PCNB treated fields within 12 months of the last application of PCNB unless PCNB is registered for use on those crops.
- Use of any hand-held application equipment is prohibited except for greenhouse use.
- Apply by ground boom application only except for greenhouse use.
- Airblast application may be used on Southern Magnolia Trees, applicators cannot handle more than 4.5 gallons of product per day (18 lbs. A.I. /day).
- For Non-Residential Ornamentals (Woody Plants, Southern Magnolia Trees, Southern Pine Seed and Seedlings, Vegetable Bedding Plants:
 - o Groundboom, airblast, and chemigation applications: mixers/loaders cannot handle more than 190 gallons of product per day (equivalent to 760 lbs. A.I. /day).
 - o Groundboom applicators cannot handle more than 425 gallons of product per day (equivalent to 1,700 lbs. A.I. /day).
 - o Soil drench mixer/loader/applicators cannot handle more than 0.42 gallons product per day (equivalent to 1.68 lbs. A.I. /day).
- For Vegetable Bedding Plants, applicators cannot handle more than 1 pint product per 1000 square feet (equivalent to 20.4 lbs. A.I. /Acre) per season.

COMPATIBILITY

For broad spectrum disease control, this product can be tank mixed with compatible products. Follow more restrictive labeling or precautions on the label of any tank mix product. Do not exceed dosage rates on any label. This product cannot be mixed with any product containing a label prohibition against such mixing. Do not tank mix with other chemicals unless prior use has proven compatibility.

ORNAMENTALS

Terraclor 400 can be used as a soil treatment for protection against a variety of soil borne diseases in

- greenhouse,
- shadehouse,
- nursery,
- landscape and
- field grown ornamentals.

Use of Terraclor 400 is prohibited on ornamental plants in

- residential settings including lawns, yards, gardens around homes and apartments;
- grounds around day care facilities;
- school yards;
- parks (except industrial parks);
- playgrounds; and
- athletic fields.

Continuously agitate the mixture of Terraclor 400 and water to assure uniform application.

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Drench the soil thoroughly with Terraclor 400 solution for best results.

See Use and Rate Requirements for Non-Residential Ornamentals table for specific plants and diseases.

When a rate range is shown, use the lower rate on coarse textured (light) soils or when disease pressure is expected to be low. Use the higher rates on fine textured (heavy) soils in fields with a history of disease problems, or when weather conditions are expected to be unfavorable for rapid germination and growth of seedlings.

USE AND RATE REQUIREMENTS FOR NON-RESIDENTIAL ORNAMENTALS

CROP	DISEASE	PRODUCT APPLICATION RATE	API	PLICATION DIR	ECTIONS
Woody Plants**	Root/Stem Rot Damping Off (Rhizoctonia solani) (Pellicularia filamentosa) Black Rot (Sclerotinia sclerotiorum)	3/8 to 3/4 pints (6 to 12 fl. oz.)	gallons of wat BED, BENC Depth of Soil (inches) ≤ 2 3 ≥ 4 Pot Diamet (inches) 4 5 6 8 10 12 One repeat appl following the fi BROADCAST PLANTING IN to 1000 sq. ft. in	PLANTS Quantity of Proof Fl. Oz./Sq. Ft. 16 24 32 POTTED PLA er Minimum Drench So lication may be manust application. TINCORPORATION THE FIELD: Agen sufficient water to	duct Drench Solution (Sq. Ft./100 gals of drench solution) 800 530 400 NTS Quantity of Product dution (Fl. Oz./Pot) 1.5 3 4 7 13 18 de 4 to 6 weeks ED PRIOR TO pply specified amount

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CROP	DISEASE	PRODUCT APPLICATION RATE	APPLICATION DIRECTIONS
Gladiolus Hyacinth Iris (bulbous) (dutch) Narcissus Tulip	Root Rot/ Stem Rot / Bulb Rot (Rhizoctonia solani) (Pellicularia solani) Bulb Rot/ Crown Rot (Sclerotinia rolfsii) (Pellicularia rolfsii) Black Rot (Sclerotinia sclerotiorum)	3 pints (48 fl. oz.)	BULB SOAK: Mix specified amount in 3.2 gals. of water (7.5% concentrations). Add 1% sticker to mixture and maintain good agitation. Soak bulbs for 5 minutes.
Lilies (Easter) (Asiatic) (Oriental)	Root Rot/ Stem Rot (Rhizoctonia solani) (Pellicularia solani) Bulb Rot/ Crown Rot (Sclerotinia rolfsii) (Pellicularia rolfsii) Stem Rot/Black Rot (Sclerotinia sclerotiorum)	6 to 9 pints (96 to 144 fl. oz.)	BULB SOAK: Mix specified amount in 100 gals. of water. A sticking agent may be added. Maintain good agitation in dip tanks. Soak bulbs in mixture for 5 to 15 minutes.
Southern Magnolia Trees**	Magnolia Leaf Spot (Phyllostica cookeri)	3 pints (48 fl. oz.)	FOLIAR SPRAY APPLICATION: Apply specified amount in 100 gallons of water. Add a spreader-sticker at the rate of 1 pint per 100 gallons. Begin applications approximately 1 week before disease normally appears. Apply at least 4 sprays at 2 week intervals. NOTE: Do not use on Magnolia fuscata as injury may result. Single applications must not exceed 33 lbs. A.I. /A, and total seasonal applications must not exceed 66 lbs. A.I. /A.
			Mixers and Loaders cannot handle more than 150 gallons of product per day (equivalent to 600 lbs. A.I. /day). Applicators cannot apply more than 4.5 gallons of product per day (equivalent to 1.68 lbs. A.I. /day).

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	PRODUCT APPLICATION RATE	APPLICATION DIRECTIONS
Root/Stem Rot, Damping Off (Rhizoctonia spp.) (Pellicularia filamentosa) Needle Blight (Dothistromapi ni)	2 pints (32 fl. oz.)	PLANTING: Apply specified amount to 1000 sq. ft. in 5-10 gallons of water to insure uniform coverage. Irrigate with an additional 1/2 inch of water following treatment. Seed may be planted immediately following irrigation or within one week of irrigation.
Root/Stem Rot, Damping Off (Rhizoctonia solani) (Pellicularia filamentosa)	800 Sq. ft./100 gal 3/8 to 3/4 pints (6 to 12 fl. oz.)	SOIL DRENCH APPLICATIONS: For soil drench applications in the nursery or greenhouse to seedlings grown in containers or beds prior to transplanting into the field. Mix specified amount in 100 gals of water and apply according to the following guidelines: Soil Depth Coverage for Terraclor 400 Drench Solution Drench Solution Inches Fl. oz./Sq. ft. Sq. ft./100gals 2 or less 16 800 For Container Grown Plants: If the spray solution was prepared using 6 fl. oz. of product per 100 gals spray volume, one repeat application may be made with 12 fl. oz. product per 100 gals spray volume 4 to 6 weeks later, if necessary. Do not apply more than 1 pint product per 1000 square
	Damping Off Rhizoctonia pp.) Pellicularia ilamentosa) Needle Blight Dothistromapi ii) Root/Stem Rot, Damping Off Rhizoctonia olani) Pellicularia	Root/Stem Rot, Damping Off Rhizoctonia pp.) Pellicularia filamentosa) Needle Blight Dothistromapi (ii) Root/Stem Rot, Damping Off Rhizoctonia olani) Pellicularia 2 pints (32 fl. oz.) 800 Sq. ft./100 gal 3/8 to 3/4 pints (6 to 12 fl. oz.)

^{*}For Cole Crop applications, Mixers and Loaders cannot handle more than 150 gallons product per day (equivalent to 600 lbs. A.I. /day). Applicators cannot apply more than 337 gallons of product per day (1,350 lbs, A.I. /day).

**NON-RESIDENTIAL ORNAMENTAL RESTRICTIONS FOR AMOUNT OF PRODUCT HANDLED PER DAY:

- For Non-Residential Ornamentals (Woody Plants, Southern Magnolia Trees, Southern Pine Seed and Seedlings, Vegetable Bedding Plants:
 - o Groundboom, airblast, and chemigation applications: mixers/loaders cannot handle more than 190 gallons of product per day (equivalent to 760 lbs. A.I. /day).
 - o Groundboom applicators cannot handle more than 425 gallons of product per day ((equivalent to 1,700 lbs. A.I. /day).
 - Soil drench mixer/loader/applicators cannot handle more than 0.42 gallons product per day (equivalent to 1.68 lbs. A.I. /day).

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CHEMIGATION

APPLICATION THROUGH SPRINKLER IRRIGATION EQUIPMENT

In addition to the use rates and directions specified above, the following restrictions must be observed when using this product in any type of irrigations system:

For Ornamentals, apply Terraclor 400 only through the following irrigation systems:

1) Pressurized drench (flood) or drip (trickle), 2) Micro-irrigation such as spaghetti-tube or individual tube irrigation, 3) Hand-held calibrated irrigation equipment such as the hand-held wand with injector, 4) Calibrated overhead watering booms, 5) Ebb and flow or bench flooding sub-irrigation systems.

Do not apply this product through any other type of irrigation system. Crop injury or lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have any questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system, (including greenhouse systems), used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and a low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. Do not apply when wind speed favors drift beyond the area intended for treatment.

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SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days of the year.

Chemigation systems connected to public water systems must contain a functional, reduced pressure zone (RPZ), backflow preventer or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water systems should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where the pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

IMPORTANT INFORMATION

To protect endangered aquatic species, use one of the following options when applying Terraclor 400 through sprinkler irrigation equipment:

- 1. Apply only when there is sustained wind away from fish-bearing waters, or
- 2. Leave a 50 foot untreated buffer between treatment area and fish-bearing waters.

To protect endangered aquatic species, use one of the following options when applying Terraclor 400 through ground equipment:

- 1. Apply only when there is sustained wind away from fish-bearing waters,
- 2. Leave a 25 foot untreated buffer between treatment area and fish-bearing waters, or
- 3. Use low-pressure nozzles according to manufacturer's specifications that produce only coarse or very coarse droplets.

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PLANT TOLERANCE:

Neither the manufacturer nor the seller has determined whether or not Terraclor 400 can be used safely on ornamental plants not specified on this label. Prior to any large scale application on such plants, the user should determine the safety of Terraclor 400 by testing a small number of the type of plants to be treated at the labeled rates for that particular group, i.e., bedding plants, foliage, etc. and observing the treated plants over a one to two week period for symptoms of phytotoxicity, which may occur as foliage burn or stunted growth.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep container closed when not in use. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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 HANDLING:

Non-refillable container: Do not reuse or refill this container.

For containers 5 gallons in size or smaller:

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

For containers larger than 5 gallons:

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ½ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

"Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

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