

Turfcide 400

Registrant: Amvac Chemical Corporation

GENERAL

EPA Registration Number:	5481-8992	Signal Word:	CAUTION
CA Registration Number:	5481-8992-AA		
Active Ingredient:	40 - Pentachloronitrobenzene (PCNB)	Application Methods:	Ground
Label Version:	12468-20141230	Mode of Action:	FRAC 14
Physical State:	Liquid (10.5 lb / ga)	Toxic To:	Aquatic Organisms, Fish
Product Type:	Fungicide	Rainfastness:	
Formulation Type:	Suspension		

ADDITIONAL INFORMATION

Federally Restricted:	No		
Organic Certifications:	None	Other Certifications:	None
Posting Required:	No	Closed Mixing System Required:	All applications in All States/Provinces: Not required
Oral Notification Required:	No	Avoid Grazing:	See Label

CALIFORNIA

Registration #:	5481-8992-AA	CA Restricted:	No
CA NOI Required:	No		

REGISTERED FOR USE IN

PACKAGE TYPES

2.5 GA Package(s) (2 / Case)	30 GA Package(s)
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**Specific Notices will not be shown until a pest is selected.

SAFETY

PPE Information:	<p>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(R) - 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.</p>
Re-Entry PPE Information:	<p>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</p>
Transport Information:	<p>DOT UN number UN3082 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Pentachloronitrobenzene RQ = 100 lbs) Transport hazard class(es) Class 9 Subsidiary hazard - Label(s) 9 Packing group III Marine pollutant No Environmental hazards Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Special provisions 8, 146, 173, 335, 441, IB3, T4, TP1, TP29 Packaging exceptions 155 Packaging non bulk 203 Packaging bulk 241 IATA UN number UN3082 UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Pentachloronitrobenzene) Transport hazard class(es) Class 9 Subsidiary hazard - Packing group III Environmental hazards Yes ERG Code 9L Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Passenger and cargo Allowed with restrictions. aircraft Other information Cargo aircraft only Allowed with restrictions. Read safety instructions, SDS and emergency procedures before handling. IMDG UN number UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pentachloronitrobenzene), MARINE POLLUTANT UN proper shipping name Class 9 Transport hazard class(es) Subsidiary hazard - Packing group III Marine pollutant Yes Environmental hazards EmS F-A, S-F Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not established. General information: This product is not regulated when shipped by highway or rail in non-bulk packaging of less than 25 gallons. When shipped by air, vessel or in bulk packaging this product is regulated according to the data shown. IMDG Regulated Marine Pollutant.</p>
Response Number:	800-424-9300
Medical Number:	888-681-4261

SDS Hazard ID Signal Word: Warning

GENERAL NOTICE 1

KEEP OUT OF REACH OF CHILDREN CAUTION FIRST AID 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 treatment advice. 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 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.

GENERAL NOTICE 2

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: 1-888-681-4261 For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC(R): 1-800-424-9300 For Product Use Information phone: AMVAC(R): 1-888-462-6822

GENERAL NOTICE 3

NOTE TO PHYSICIAN Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

GENERAL NOTICE 4

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(R) - 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.

GENERAL NOTICE 5

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.

GENERAL NOTICE 6

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.

GENERAL NOTICE 7

DIRECTIONS FOR USE 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.

GENERAL NOTICE 8

PRODUCT INFORMATION Turfcide 400 is a preventive fungicide labeled for control of certain soil borne diseases of non-residential turf (golf course tees, greens and fairways, sod farms, industrial parks, and professional and college athletic fields). Best results are achieved when used in a preventive program. Follow specified rates and application directions. Carefully read, understand and follow label directions.

GENERAL NOTICE 9

Resistance Management For resistance management, Turfcide 400 contains PCNB, a Group 14 fungicide. Any fungal population may contain individuals naturally resistant to Turfcide 400 and other Group 14 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same location. Appropriate resistance-management strategies should be followed. To delay fungicide resistance, take one or more of the following steps: - Rotate the use of Turfcide 400 or other Group 14 fungicides with different groups that control the same pathogens. - Use tank mixtures with fungicides from a different group that are effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer. - Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation (agricultural uses), and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices. - Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance. - Monitor treated fungal populations for resistance development. - Contact your local extension specialist or pest control advisor for any additional pesticide resistance-management and/or IPM recommendations for specific pathogens. For further information or to report suspected resistance contact AMVAC at (1-888-462-6822). You can also contact your pesticide distributor or university extension specialist to report resistance.

GENERAL NOTICE 10

Product Restrictions - Use of Turfcide 400 is prohibited on - golf course roughs; - residential sites including lawns, yards, and ornamental plants and gardens around homes and apartments; - grounds around day care facilities; - school yards; - parks (except industrial parks); - playgrounds; and - athletic fields (except professional and college athletic fields under the conditions listed below). - Do not apply this product by air. - Do not graze treated areas or feed clippings to livestock. - Turfcide 400 may only be used on professional and college athletic fields for the following diseases: gray snow mold and pink snow mold. See Use and Rate Requirements for Non-Residential Turf table for additional information. - For all Non-Residential Turf use applications, Mixers and Loaders cannot handle more than 150 gallons product per day (equivalent to 600 lbs. A.I. /day). - Use of any hand-held application equipment is prohibited except for greenhouse use. - Apply by ground boom application only except for greenhouse use. - For Sod farm applications, applicators cannot handle more than 425 gallons of product per day (equivalent to 1,700 lbs. A.I. /day).

GENERAL NOTICE 11

TURF Turfcide 400 is a fungicide for the prevention and control of certain soil borne diseases on - golf course tees, greens, and fairways, - sod farms, and industrial parks and professional and college athletic fields where turf is grown. Restrictions: Turfcide 400 may only be used on professional and college athletic fields for the following diseases: gray snow mold and pink snow mold. See the Use and Rate Requirements for Turf table for additional directions for professional and college athletic fields. For best results use Turfcide 400 as a preventive application before diseases appear, however, if you do not apply as a preventive treatment, then apply Turfcide 400 at first sign of disease. Following application, water areas treated with Turfcide 400 in order to move material down to the soil level. If treated area is subjected to flooding or unusually heavy rainfall, or if disease is severe or reappears, treat the area again. See Use and Rate Requirements for Non-Residential Turf table for retreatment intervals. Under certain growing conditions, a temporary discoloration of the grass may occur. This causes no harm and will disappear in a short time.

GENERAL NOTICE 12

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 1/4 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.

GENERAL NOTICE 13

LIMITED WARRANTY AND DISCLAIMER The manufacturer warrants (a) that this product conforms to the chemical description on the label; and (b) 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. **THIS WARRANTY DOES NOT EXTEND TO THE USE OF THIS PRODUCT CONTRARY TO LABEL INSTRUCTIONS, OR UNDER CONDITIONS NOT REASONABLY FORESEEABLE. THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN TORT, CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW MANUFACTURER OR SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.** AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC. (C) 2020 AMVAC Chemical Corporation is a wholly owned subsidiary of American Vanguard. All Rights Reserved. AMERICAN VANGUARD, AMVAC, TURFCIDE, and their respective logos are trademarks owned by AMVAC Chemical Corporation. CHEMTREC is a service mark of American Chemistry Council, Inc. Viton is a trademark of the Chemours Company FC, LLC. AMVAC Chemical Corporation 4695 MacArthur Court, Suite 1200, Newport Beach, CA 92660 USA

TANK MIX INFORMATION**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.