

Agrisan 20 Greenhouse Disinfectant

EPA Reg. No. 58044-3-72159

EPA Est. No. 48813-IL-1

ALGAECIDE, FUNGICIDE, BACTERICIDE

ACTIVE INGREDIENTS

PERCENT

n-alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈)	
dimethyl benzyl ammonium chlorides	9.0%
n-alkyl (50% C ₁₂ , 30% C ₁₄ , 17% C ₁₆ , 3% C ₁₈)	
dimethyl ethylbenzyl ammonium chlorides	9.0%
n-alkyl (50% C ₁₂ , 30% C ₁₄ , 17% C ₁₆ , 3% C ₁₈)	
dimethyl benzyl ammonium chlorides	2.0%

OTHER INGREDIENTS 80.0%

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN DANGER - PELIGRO

NET CONTENTS: 1 GALLON

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.) See side panel for first aid and additional precautions.

Manufactured for



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PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER: KEEP OUT OF REACH OF CHILDREN.

Causes eye damage and skin irritation. Do not get in eyes, on skin or clothing. Avoid breathing spray mists.

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 and wash before reuse. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor for treatment advice. Drink promptly a large quantity of milk, egg whites, or gelatin solution. If these are not available, drink large quantities of water if able to swallow. Avoid alcohol. Do not induce vomiting. Do not give anything by mouth to an unconscious person. 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, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-356-4647 for emergency medical treatment information.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

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 C on an EPA chemical resistance category selection chart.

APPLICATORS AND OTHER HANDLERS MUST WEAR

Long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton, shoes plus socks, protective eyewear, and dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, 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 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. Do not apply directly to fish bearing waters. For terrestrial uses, 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 waters by cleaning of equipment or disposal of wastes. Avoid application to turf areas actively grazed by waterfowl.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or regional Office of EPA.

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.

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, nurseries, or greenhouses. **KEEP CHILDREN AND PETS OFF TREATED LAWNS UNTIL AREA IS COMPLETELY DRY.**

AGRISAN 20 is a multi-purpose disinfectant for the control of fungal, bacterial and viral ornamental plant pathogens, slime-forming fungi and algae and the odors these organisms may cause. Used as directed, the pesticidal residues of this product are biodegraded by normal soil microorganisms.

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

GREENHOUSE HARD SURFACES: To disinfect hard inanimate surfaces (such as glass, work surfaces, benches, flats, pots, tools, cooler pads, walkways, and walls) add 1/4 fluid ounce (1.5 teaspoons) AGRISAN 20 to one gallon of water. Apply solution with mop, cloth, sponge, or mechanical sprayer so as to wet thoroughly. Allow to remain wet for ten minutes, and then let air dry.

WORK AREA AND BENCHES: To kill plant disease organisms responsible for root rot, crown rot, botrytis, downy mildew, etc., spray or swab all working surfaces before each work period, and again after work on each plant is completed, with a solution of one tablespoon of AGRISAN 20 to one gallon of water.

FLOWER POTS, BUCKETS AND FLATS: To kill plant disease organisms responsible for root rot, crown rot, anthracnose, mildew, rusts and plant blights, brush or wash used pots, buckets on flats and then soak them in a solution of one tablespoon of AGRISAN 20 to one gallon of water for at least 10 minutes.

CUTTING TOOLS: To disinfect, soak the cutting edges of plant care tools in a solution of one teaspoon of AGRISAN 20 to one gallon of water for at least 10 minutes, and use the wet tool on each plant. Repeat the disinfection soak after use on each plant to kill and prevent transmission of plant disease organisms such as stem rot, root rot, Tobacco Mosaic Virus (TMV), and botrytis. Rinse the plant tools in clean water and oil at the end of each work period.

WALKWAYS: To remove and control heavy algal growth on greenhouse or garden paths or walkways, apply a solution of 1/4 fluid ounce (1.5 teaspoons) AGRISAN 20 in one gallon of water with a mop or mechanical sprayer and let stand for at least one hour. Then scrub or wash away dead algae. Apply solution again and let walkway air dry for inhibition of new algal growth. Repeat treatment whenever algal growth returns.

GARDEN BIRD BATHS: DO NOT USE FOR FISH CONTAINERS! To remove build-up of algal growth from an empty bird bath, apply a solution of one tablespoon AGRISAN 20 in one gallon of water with a cloth, sponge or mechanical sprayer and allow to air dry. Brush off dead algae before refilling with water.

EVAPORATIVE COOLERS: To control bacteria, algae, slime forming fungi and certain plant pathogens which may be circulated through the cooler, treat every other week with one ounce of AGRISAN 20 for every 30 gallons of cooler water.

INCOMPATIBILITIES: Do not mix AGRISAN 20 with common soap, detergents, compounds containing iron, dye indicators, or other anionic materials.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

PESTICIDE DISPOSAL: Pesticide spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under subtitle C of the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL: Plastic containers - triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by incineration if allowed by state and local authorities.

GENERAL: Consult Federal, state or local authorities for approved alternative procedures, such as limited open burning.

Warranty: Seller's guarantee shall be limited to contents and merchantability of the product and the terms of the label. Buyer assumes any risks to persons or property arising out of use or handling. Because the time, place, rate of applications and other conditions of use are beyond seller's control, seller's liability from storage, handling and use of this product is limited to replacement of product or refund of purchase price.