

ECOLAB®



LICENSED

PERIOD 2014-2016 LIC. NO.

9203.456

6300357

Net Contents: 55 U.S. gal/208.2 L

BOOST 3200

One-Step Disinfectant - Cleaner

ACTIVE INGREDIENTS:

n-Alkyl (C ₁₂ 68%, C ₁₄ 32%) dimethylethylbenzyl ammonium chloride.....	3.00%
n- Alkyl (C ₁₄ 60%, C ₁₆ 30%, C ₁₂ 5%, C ₁₈ 5%) dimethylbenzylammonium chloride	3.00%
Hydrogen peroxide.....	6.30%
INERT INGREDIENTS:	87.70%
TOTAL:	100.00%

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Wear goggles and/or face shield, protective clothing and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. 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 Pollution 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 the EPA.

PHYSICAL AND CHEMICAL HAZARDS: When exposed to fire, *Boost 3200* may release oxygen and oxides of carbon and/or nitrogen.

EPA Reg. No.: 63761-8-1677
EPA Est. No.: 60156-IL-1

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 the eyes. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. **IF INHALED:** Move person to fresh

Manufactured for:
Ecolab • 370 Wabasha Street N • St Paul MN 55102-1390 USA
© 2012 Ecolab USA Inc • All rights reserved
Made in United States • 751634/5301/0712



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 do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a Poison Control Center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. **For disinfectant and public health use sites, this is part one of a two-part product and must be used with Boost 3201. For biocide and non-public health use sites, the use of Boost 3201 may not be required.**

DISINFECTION: *Boost 3200*, when mixed with *Boost 3201*, is a one-step, hospital-use disinfectant at 12.8 fl. oz. (each, *Boost 3200* & *Boost 3201*) per gallon of water (1:1:10), bactericidal according to the current AOAC Use-Dilution Test Method modified in the presence of 400 ppm hard water plus 5% organic serum against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Staphylococcus aureus* - Methicillin Resistant, *Salmonella enterica*, *Escherichia coli* O157:H7, and *Listeria monocytogenes*.

FUNGISTAT/MILDEWSTAT: *Boost 3200*, when mixed with *Boost 3201* controls the growth of mold and mildew organisms (*Aspergillus niger*) and the odors they cause on hard, non-porous surfaces in one step at 12.8 fl. oz. (each, *Boost 3200* & *Boost 3201*) per gallon of water (1:1:10) according to the current AOAC Use-Dilution Test Method modified in the presence of 400 ppm hard water plus 5% organic serum. Apply as directed under disinfection. **DISINFECTION OF FOOD PROCESSING EQUIPMENT AND HARD SURFACES IN FOOD PROCESSING FACILITIES, BREWERIES, WINERIES AND OTHER BEVERAGE MANUFACTURING FACILITIES, RESTAURANTS, BARS, CAFETERIAS, INSTITUTIONAL KITCHENS, CONVENIENCE STORES FOOD PREPARATION AREAS, FOOD STORAGE AREAS AND FOOD SERVICE AREAS:**

NOTE: Before use in federally inspected meat and poultry food processing plants and dairies, food products and packaging materials must be removed from the room or carefully protected. Follow all applicable local health and sanitation codes for sanitizing food processing equipment post-disinfection.

- APPLICATION INSTRUCTIONS FOR SURFACES:**
- 1) Remove gross food particles and soil from all articles using a pre-flush, or pre-scrape and, if necessary, presoak.
 - 2) Add 12.8 fl. oz. of *Boost 3200* and 12.8 fl. oz. of *Boost 3201* to 1 gal. tap water in an appropriate plastic container and stir.
 - 3) Thoroughly wet surfaces with use-solution by pouring, wiping, brushing, scrubbing, foaming, spraying with a coarse trigger sprayer, sponging, immersing, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping.
 - 4) Allow surfaces to remain wet for at least 10 minutes
 - 5) Rinse all surfaces thoroughly with a potable water rinse.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP): Although *Boost 3200* provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases.

- 1) Prepare a precleaning solution by adding 3 - 6 fl. oz. of *Boost 3200* and an equivalent amount of *Boost 3201* to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned.
- 2) Clean surfaces with precleaning solution by pouring, wiping, brushing, scrubbing, foaming, spraying with a coarse trigger sprayer, sponging, immersing, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping.
- 3) Before disinfecting rinse all surfaces thoroughly with a potable water rinse.

- APPLICATION INSTRUCTIONS FOR TRANSFER LINES:**
- 1) Add 12.8 fl. oz. of *Boost 3200* and 12.8 fl. oz. of *Boost 3201* to 1 gal. tap water in an appropriate plastic container and stir.
 - 2) Introduce use solution into transfer lines and tanks.
 - 3) Soak or circulate use solution for at least 10 minutes.
 - 4) Drain transfer lines.
 - 5) Rinse all surfaces thoroughly with a potable water rinse.

DISINFECTION OF VETERINARY FACILITIES, ANIMAL CARE FACILITIES, ANIMAL LABORATORIES, ZOOS, PET SHOPS, KENNELS AND ANIMAL QUARTERS, FARM AND DAIRY FARM PREMISES, SWINE PREMISES, FARM AND DAIRY FARM PREMISE EQUIPMENT, SWINE PREMISE EQUIPMENT:

- 1) Remove all animals and feed from premises, vehicles, and enclosures.
- 2) Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals.
- 3) Empty all troughs, racks, and other feeding and watering appliances.
- 4) Thoroughly clean all surfaces with soap or detergent and rinse with water or follow PRECLEANING INSTRUCTIONS below.
- 5) Saturate all surfaces with a solution prepared by adding 12.8 fl. oz. of *Boost 3200* and 12.8 fl. oz. of *Boost 3201* to 1 gal. tap water in an appropriate plastic container and stirring.
- 6) Thoroughly wet surfaces with use-solution by pouring, wiping, brushing, scrubbing, foaming, spraying with a coarse trigger sprayer, sponging, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
- 7) Allow surfaces to remain wet for at least 10 minutes.
- 8) Rinse all surfaces thoroughly with a potable water rinse.
- 9) Ventilate buildings, cars, boats, and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set, or dried.
- 10) Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

APPLICATION INSTRUCTIONS FOR TRANSFER LINES:

- 1) Add 12.8 fl. oz. of *Boost 3200* and 12.8 fl. oz. of *Boost 3201* to 1 gal. tap water in an appropriate plastic container and stir.
- 2) Introduce use solution into transfer lines and tanks for watering systems and nipple drinkers.
- 3) Soak or circulate use solution for at least 10 minutes.
- 4) Drain transfer lines and tanks.
- 5) Rinse all surfaces thoroughly with a potable water rinse.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP): Although *Boost 3200* provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases.

- 1) Prepare a precleaning solution by adding 3 - 6 fl. oz. of *Boost 3200* and an equivalent amount of *Boost 3201* to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned.
- 2) Clean surfaces with precleaning solution by pouring, wiping, brushing, scrubbing, foaming, spraying with a coarse trigger sprayer, sponging, immersing, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping.
- 3) Before disinfecting rinse all surfaces thoroughly with a potable water rinse.

DISINFECTION OF POULTRY HOUSE PREMISES, POULTRY HOUSE EQUIPMENT AND HATCHERIES:

- 1) Remove all poultry and feeds from premises, trucks, coops, and crates.
- 2) Remove all litter and droppings from floors, walls and surfaces of facilities occupied or traversed by poultry.
- 3) Empty all troughs, racks, and other feeding and watering appliances.
- 4) Thoroughly clean all surfaces with soap or detergent and rinse with water or follow PRECLEANING INSTRUCTIONS below.
- 5) Saturate all surfaces with a solution prepared by adding 12.8 fl. oz. of *Boost 3200* and 12.8 fl. oz. of *Boost 3201* to 1 gal. tap water in an appropriate plastic container and stirring.
- 6) Thoroughly wet surfaces with use-solution by pouring, wiping, brushing, scrubbing, foaming, spraying with a coarse trigger sprayer, sponging, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping. The use-solution can be used to disinfect hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces in hatcheries. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
- 7) Allow surfaces to remain wet for at least 10 minutes.
- 8) Ventilate buildings, coops, and other closed spaces. Do not house poultry or employ equipment until treatment has been absorbed, set, or dried.
- 9) Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

APPLICATION INSTRUCTIONS FOR TRANSFER LINES:

- 1) Add 12.8 fl. oz. of *Boost 3200* and 12.8 fl. oz. of *Boost 3201* to 1 gal. tap water in an appropriate plastic container and stir.
- 2) Introduce use solution into transfer lines and tanks for watering systems and nipple drinkers.
- 3) Soak or circulate use solution for at least 10 minutes.
- 4) Drain transfer lines and tanks.
- 5) Rinse all surfaces thoroughly with a potable water rinse.

PRECLEANING INSTRUCTIONS (OPTIONAL STEP): Although *Boost 3200* provides one-step cleaning and disinfection, precleaning may be desired for some surfaces in certain cases.

- 1) Prepare a precleaning solution by adding 3 - 6 fl. oz. of *Boost 3200* and an equivalent amount of *Boost 3201* to 1 gal. hot tap water in an appropriate plastic container, depending on the level of gross filth to be precleaned.
- 2) Clean surfaces with precleaning solution by pouring, wiping, brushing, scrubbing, foaming, spraying with a coarse trigger sprayer, sponging, immersing, using a clean in place (CIP) system, pumping it through the system, drawing it through the system or mopping.
- 3) Rinse all surfaces thoroughly with a potable water rinse.

For the biocide and non-public use sites below, the use of Boost 3201 is not required. Boost 3201 may be used as an adjuvant for Boost 3200 in biocide and non-public use sites to adjust pH, inhibit corrosion and enhance cleaning.

PENETRATES AND REMOVES BIOFILM AND OTHER ORGANIC CONTAMINANTS FOR USE AS A BACTERICIDE, SLIMICIDE, MILDEWSTAT AND ALGICIDE

RECIRCULATING COOLING WATER SYSTEMS, INCLUDING COOLING TOWERS, EVAPORATIVE CONDENSERS, DAIRY SWEET WATER SYSTEMS AND BREWERY PASTEURIZERS. Effectively removes and controls biofilm and other organic contaminants in commercial and industrial cooling towers; influent water systems such as flow-through filters; and heat exchange water systems. **(Not for Use In California)**

DOSAGE RATES. Initial Dose for badly fouled systems: Add 1 to 4 gal. (1000-4000 ppm) *Boost 3200* per 1000 gallons of water in the system. If cleaning is desired or if the pH of the system is below 8, optionally add simultaneously *Boost 3201* at the rate of 1 to 3 times the volume of *Boost 3200*. Repeat until control is evident.

Routine Dose, when microbial control is evident: Subsequent slug additions of 5 oz. to 64 fl. oz. (40-500 ppm) *Boost 3200* per 1000 gallons of water (and if cleaning is desired or the pH of the system is below 8, optionally add *Boost 3201* at the rate of 1 to 3 times the volume of *Boost 3200*) should be employed every 2 to 5 days or as needed. The frequency of addition depends on the relative amount of bleed-off, the quality of the makeup water and rate of inflow of airborne or other contaminants. Slug additions should be made in the sum of water cooling towers.

Continuous Dosage: For continuous, or semi-continuous, low level dosage of *Boost 3200*, add 1 oz. to 20 oz. (8-165 ppm) *Boost 3200* per 1000 gallons of water (and if cleaning is desired or the pH of the system is below 8, optionally add *Boost 3201* at the rate of 1 to 3 times the volume of *Boost 3200*).

AIR WASHERS. For use only in industrial air washing systems that maintain effective mist eliminating components. Effectively removes and controls biofilm and other organic contaminants in Industrial Water Scrubbing Systems. **(Not for Use In California)**

DOSAGE RATES. Initial Dose for badly fouled systems: Add 3 to 16 gal. (3100-16150 ppm) *Boost 3200* per 1000 gallons of water in the system. If cleaning is desired or if the pH of the system is below 8, optionally add simultaneously *Boost 3201* at the rate of 1 to 3 times the volume of *Boost 3200*. If necessary, apply a solution containing 0.4 to 2 fl. oz. *Boost 3200* (and if cleaning is desired or the pH of the system is below 8, optionally add *Boost 3201* at the rate of 1 to 3 times the volume of *Boost 3200*) per gallon of water onto interior surfaces of the system that are not continuously submerged. Repeat until control is evident.

Routine Dose, when microbial control is evident: Subsequent slug additions of 28 to 128 fl. oz. (225-1000 ppm) *Boost 3200* per 1000 gallons of water and if cleaning is desired or the pH of the system is below 8, optionally add *Boost 3201* at the rate of 1 to 3 times the volume of *Boost 3200* should be employed every 1 to 3 days or as needed. The frequency of addition depends on the relative amount of bleed-off, the quality of the makeup water and rate of inflow of airborne or other contaminants. Slug additions should be made in the sump of Industrial Water Scrubbing Systems.

DRAINS. Effectively removes and controls plugging and odors caused by accumulation of biofilm and other organic contaminants in drains. Prevents stoppage and odors. **(Not for Use In California)**

DOSAGE RATES: Initial Dose for badly fouled systems. This product can be poured, foamed, wiped, brushed, applied using a clean in place CIP system, pumping it through the system or mopping. Apply from 6 fl. oz to 15 fl. oz. *Boost 3200* per gallon of water to drain. Repeat until control is evident. Optionally, pour from 1 fl. oz. *Boost 3200* around or into one-inch diameter or smaller drains up to 90 fl. oz. *Boost 3200* around or into three-inch diameter drains. If cleaning is desired, add simultaneously *Boost 3201* at the same volume as *Boost 3200* (1 - 90 fl. oz.). For foam cleaning, add 6-15 oz. *Boost 3200* and an equal amount of *Boost 3201* per gallon of water to a foaming device and foam the mixture into the drain.

Subsequent Dose: When microbial control is evident, subsequent additions of 1-6 fl. oz. *Boost 3200* per gallon of water should be employed every 7 days or as needed. This product can be poured, foamed, wiped, brushed, applied using a clean in place CIP system, pumping it through the system or mopping. If cleaning is desired, add simultaneously *Boost 3201* at the same volume as *Boost 3200* (1 - 6 fl. oz.) per gallon of water. Optionally, subsequent additions of 1 - 6 fl. oz. *Boost 3200* into one-inch diameter or smaller drains up to 6 fl. oz. *Boost 3200* into three inch diameter drains, should be employed every 7 days or as needed. If cleaning is desired, add simultaneously *Boost 3201* at the same volume as *Boost 3200* (1 - 6 fl. oz.). For foam cleaning, add 1 - 6 oz. *Boost 3200* and an equal amount of *Boost 3201* per gallon of water to a foaming device and foam the mixture into the drain.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE: Keep product in closed original container when not in use. Store in a cool area away from potential sources of heat, open flames, sunlight or other chemicals. Product should be stored below 90°F.

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: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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.