

OTHER INFORMATION

Zone Defense®, also known as sodium polyborate, is a free-flowing, white, crystalline salt. Boron, the key element in Zone Defense®, is an essential micronutrient and is present in all foods, particularly fruits, vegetables, grains, and nuts. The average person consumes between one to three milligrams each day as part of a normal healthy diet. Boron occurs naturally in air, water, and soil.

Zone Defense is a neutral 7.0 inorganic salt often used as an agricultural micronutrient, deodorizer, smolder, and flame retardant. the LD50 toxicology of Zone Defense® is about the same as table salt. Zone Defense® contains no volatile organic components and is used typically as an extender or replacement to boric acid in many applications.

Zone Defense® is stable and does not change under normal storage conditions. Wide fluctuations in temperature and humidity can result in caking. Care should therefore be taken to avoid such fluctuations during storage of the product.

SECTION 4- PACKAGING AND HANDLING

Granular: 50 pound (25kg), 100 pound (50kg) and 2,400 pound (1,200 kg) multi plastic lined paper bags palletized and stretch wrapped (tote bags for 2,400 lb. lots). Fifty pound bags per pallet only. It is also available in 2000 lb. semi-bulk bags (1000kg).

Powder: 50 pound multi wall paper bags.

Information concerning the handling and use of this product is provided in a material safety data sheet (MSDS). This MSDS must be fully read and understood prior to any exposure, handling, or use of the product.

Information presented herein has been compiled from sources considered dependable and is accurate and reliable to the best of our knowledge and belief, but it is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product in violation of any laws or regulations. It is the user's responsibility to determine the suitability of any material for a specific purpose and adopt necessary safety precautions. We make no warranty as to results to be obtained in using any material and, since conditions or use are not under our control, we must necessarily disclaim all liability with respect to use of any material supplied by use.

Replaces: January 1, 2008

ZONE DEFENSE®

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION:

HARMFUL IF SWALLOWED, MAY CAUSE EYE IRRITATION. AVOID EYES CONTACT. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

DIRECTIONS FOR USE

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

This product may be used in homes, restaurants, and other food and food handling establishments, markets, schools, warehouses, factories, offices, hotels, motels, hospitals, nursing homes, garages, grocery stores, apartment buildings, new construction, cellulose insulation, cotton batting, industrial plants, theaters, ships, boats, trains, yachts, camps, mobile homes, buses, zoos, kennels, military bases, libraries, utilities, sewers and animal confinement areas.

DOMESTIC (HOMEOWNER) USE

Use Restrictions: Children and pets should not be in treatment area until application is complete. Do not treat pets with this product. Avoid contamination of feed and foodstuff. Avoid contamination of ornamental plants.

Application Directions For Control Of Cockroaches, Ants, and Silverfish: Apply liberally, scattering under and behind refrigerator, stove, sink, dishwasher, washing machine and dryer, tubs, into openings around drains, water pipes and electrical conduits; and in cracks and crevices along baseboards and corners of cabinets, cupboards, and closets. Remove all lower drawers in kitchen and bathroom cabinets, bedroom dressers and chests of drawers, then scatter liberally in drawer wells. Any powder visible after application must be brushed into cracks and crevices or vacuumed. Reapply as necessary.

Application Directions For Control Of Darkling Beetles (Lesser Mealworms): Remove all birds in poultry or layer houses before applying. Using a fertilizer or seed spreader, uniformly apply Zone Defense powder at the rate of 1 to 2 pounds per 100 square feet over old litter or soil surface of the poultry house. Liberally dust side walls, posts, top plates, and framing. Apply powder in cracks and crevices around insulation on the floor and sidewalls. Zone Defense can also be spray applied wet when mixed 1 to 2 pounds per three gallons of water for each 100 square feet of surface to be treated. **DO NOT APPLY DIRECTLY TO MANURE.** Evenly spread fresh litter a minimum of four inches over all treated floor surfaces before introducing birds. Reapply as outlined above after each grow-out. Reapply after each sanitizing and washed down of the poultry containment area to continue beetle control.

NON-DOMESTIC USE

(NONEDIBLE PRODUCT AREAS ONLY)

Use Restrictions: Apply only in areas inaccessible to children and pets. Do not use in edible product areas of food handling establishments, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

Directions for Applying in New and Existing Construction to Control Cockroaches and Other Target Insects: When treating large areas, such as wall voids, soffit and subcabinet voids in new and existing construction, dust liberally using dusting application equipment.

Directions for Applying in Sewers and Manhole Cavities: Apply this product dry or mixed with water, or acrylic polymer for improved adhesion to sewer wall cavity surfaces, at a rate not to exceed 12 oz per 190 square feet using portable blowers, air pressure tanks or pressurized nozzle(s).

Directions for Applying as a Mop Solution to Control Cockroaches:

Mixing and Application Directions: Add 1 cup of powder to each gallon of rinse water. Apply to floor areas only. Make only enough for each application. Supplemental treatment only. Reapply as necessary. Any powder visible after application must be brushed into cracks and crevices or vacuumed. Avoid contamination of feed and foodstuffs.

KILLS ROACHES

(INCLUDING PALMETTO BUGS
AND WATERBUGS)
ALSO DARKLING BEETLES, ANTS & SILVERFISH

Active Ingredient: Orthoboric Acid	64.00%
Inert Ingredients	36.00%
Total	100.00%

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT:

If Swallowed: Call a Physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

If in Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

If on Skin: Wash with plenty of water. Get medical attention.

NET WEIGHT 30 LB. (13.62kg)

See Side Panel For Additional Cautions

EPA REG. NO. 44757-3 EPA EST No. 44757-AZ-1

Made in the U.S.A

Manufactured By:

- 50 North 41st Avenue
Phoenix, AZ 85009-4618
1-800-777-4569

Made in U.S.A.

TECHNOLOGIES, INC.

BATCH CODE: IT1977

FOOD HANDLING ESTABLISHMENTS

Places other than private residences in which food or feed is held, processed, prepared, or served.

1. FOOD AREAS (INCLUDING SOME SERVING AREAS)

Includes areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, and syrups). Also includes some SERVING AREAS.

FOOD SERVING AREAS

SERVING AREAS are facilities where food is served, such as dining rooms, but not where food is prepared or held. These areas are considered FOOD AREAS when food is exposed and the facility is in operation. Follow application directions in this section, if food is not exposed and facility is not in operation, follow application directions under NON-FOOD SERVICE AREAS below.

Use Restrictions: FOOD AREA application is limited to CRACK AND CREVICE TREATMENT ONLY. Applications to other areas are not permitted.

Application Directions: Apply in small amounts directly into cracks and crevices using a bulbous duster or other suitable equipment capable of applying insecticides directly into cracks and crevices, in points between different elements of construction, between equipment and floors, openings leading to voids and hollow spaces in walls, equipment legs and bases, conduits, motor housing and electrical switch boxes where cockroaches hide.

2. NONFOOD AREAS (INCLUDING SOME SERVING AREAS)

Includes garbage rooms, lavatories, floor drains (to sewer), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling). Also includes some SERVING AREAS.

NONFOOD SERVING AREAS

SERVING AREAS are facilities where food is served, such as dining rooms, but not where food is prepared or held. These areas are considered NONFOOD AREAS when food is not exposed and the facility is not in operation.

Follow application directions in this section. If food is exposed and the facility is in operation, follow application directions under FOOD SERVING AREAS.

Application Directions: Apply as a spot treatment to selective surfaces such as baseboards, under elements of constructions into cracks and crevices. Avoid treating surfaces likely to be contacted by food.

OTHER NONFOOD AREAS

Application Directions: Apply to baseboard areas, around water pipes, surfaces behind and beneath sinks, lockers, tables, pallets and similar areas where insects hide or through which they may enter.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a dry place. Do not store where children or animals may gain access.

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. (1 lb rigid container - homeowner) Rinse thoroughly before discarding in trash. (30 lb rigid container) Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. (50 lb bag and greater) Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.