

# DEMAND<sup>®</sup> CS

## INSECTICIDE

## CONSUMER PRODUCT SAFETY BULLETIN

### SECTION 1 NAME AND HAZARD SUMMARY

DEMAND<sup>®</sup> CS (Capsule Suspension) at application strength is a low-concentration water-based insecticide solution that is registered for use in and around homes, businesses, hospitals, schools, restaurants, farm buildings, kennels and many other use areas. It may be irritating to the eyes and skin if the wet product is directly contacted before the water carrier has evaporated. Normal application practices help ensure that people and pets do not contact treated surfaces before those surfaces have dried and a thin deposit of microscopic capsules containing the active ingredient is formed. This product has a favorable safety profile concerning mammals and birds. Nevertheless, dogs, cats and birds should not be allowed to come in contact with the spray or surfaces still wet from an application. This material is, however, toxic to insects, fish, and aquatic animals. It should be kept out of bodies of water (such as ponds or streams). Protect fish and reptile pets during application in and around structures. Disconnect aerators, cover tanks or cages, or remove from treated area until the application has dried.

### SECTION 2 INGREDIENTS

The applicator will dilute the concentrated form of this product with water within the labeled rate range according to the pests involved, the surfaces treated, and other factors. The highest labeled application strength material contains 99.0 % water and 0.06 % lambda-cyhalothrin. Lambda-cyhalothrin is a pyrethroid insecticide. Pyrethroids are synthetic compounds produced to duplicate or improve on the natural insecticide properties of the pyrethrum (chrysanthemum) plant.

### SECTION 3 PURPOSE OF PRODUCT

DEMAND CS should be applied by licensed and trained applicators who are knowledgeable in detecting and eliminating invading pest insects and other arthropods, or in preventing such pests from entering and becoming established in structures where they may represent a nuisance, or an economic or health threat. It may be applied both indoors and outdoors and is approved for use in and around residences, food-serving or processing facilities as well as many other types of private, commercial and public buildings and transport vehicles. It may also be applied to landscape plants and trees, lawns, parks, recreational areas and athletic fields for control of plant pests or nuisance and biting pests. It is registered for the control of over 40 arthropod pests including cockroaches, flies, mosquitoes, ticks, ants, and spiders. It may be applied with either hand-held applicators or vehicle-mounted equipment, directed to surfaces, cracks, crevices or voids.

DEMAND CS is intended for application as a directed spray. Common outdoor treatment areas include walls, siding, foundations, around windows and doors, and other perimeter areas. Demand may be applied in living spaces indoors in wall voids, cracks and crevices, along baseboards and carpet edges, and in spots that the applicator determines will provide for protection from pests. This product should not be applied as an aerosol or fog to fill the air in indoor living spaces, or as an indoor broadcast application in such spaces to entire floor and carpet areas. This product may be used to control parasites and pests of domestic animals such as pets and farm animals by treatment in and around structures or areas where such animals are maintained. Not for direct use on animals. Not for use on food, feed or surfaces they directly contact. Do not contaminate drinking water.

### SECTION 4 PHYSICAL DATA AND EFFECTS ON SURFACES

The application solution has a clear appearance, no discernable odor, and dries to an invisible film. Demand CS will not damage common materials that it may contact, including metal, plastic, glass, ceramics, and rubber. Demand CS will not damage painted surfaces, hardwood floors or paneling when applied as directed. However, surfaces that are stained by water alone can also be stained or soiled with diluted applications of this product since water is the main ingredient in the finished dilution. For best results, surfaces that are very dirty, greasy or dusty should be cleaned before treatment. Rinsing or washing of treated surfaces (after treatment) can remove this product and such surfaces may require retreatment for continued protection against pests.

## **SECTION 5 HEALTH HAZARD INFORMATION**

Based upon toxicity testing, the EPA has assigned a "Caution" signal word to DEMAND CS, which is the least-hazardous classification in the EPA pesticide classification system.

**Skin contact** with the wet application strength solution may cause skin irritation. Avoid contact with surfaces until application has dried. If irritation occurs, immediately wash skin with soap and water. If redness, itching or a burning sensation develops, seek medical attention. Symptoms of skin irritation are temporary, generally only lasting for 2 to 24 hours.

**Eye contact** with the wet application strength solution may be slightly irritating. If direct contact occurs, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Have eyes examined and treated by medical personnel if irritation persists.

**Ingestion** of the finished liquid application solution should not cause significant health effects. If ingested, have this bulletin ready to share with emergency personnel. Call Syngenta's Emergency Line (1-800-888-8372), a poison control center, or a doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by medical personnel. Do not give anything by mouth to an unconscious person.

**Inhalation.** When used as directed, application of this product does not present an inhalation health risk for building occupants or residents. Lambda-cyhalothrin has a very low vapor pressure, meaning it does not evaporate significantly. Furthermore, the active ingredient content in the application strength solution is minimal, and air levels of lambda-cyhalothrin inside a building after a labeled application will be negligible.

## **SECTION 6 ENVIRONMENTAL EFFECTS**

When used as directed (including avoiding aquatic animals like fish or beneficial insects such as honey-bees), DEMAND CS poses no significant hazard to the environment. Spills or leaks involving this product are unlikely and applicators are trained to quickly contain spills. Excess liquid can be soaked up with absorbent towels, kitty litter or sand that can then be placed in a waste container for disposal (The DEMAND CS dilution does not constitute a hazardous waste product). Remaining liquid or the dried deposit may be removed from surfaces where necessary with soap and water.

The person who applies this product should read and follow all label directions.

## **SECTION 7 SPECIAL PRECAUTIONS**

Like most pest control products, Demand CS should not be applied in any room being used as living, eating, sleeping, or recovery areas by patients, the elderly, or infirmed, when they are in the room. Also, Demand CS should not be applied to classrooms when in use. Because it is water-based, DEMAND CS should not be applied around wiring or electrical equipment due to the possibility of a shock hazard.

The Federally registered label provides all use and restriction requirements.

## **SECTION 8 REGULATORY INFORMATION**

The concentrate of this product is an EPA registered pesticide (EPA Reg. No. 100-1066, formerly 10182-361), subject to individual state registrations and restrictions. For additional information on the concentrated (non-diluted) product, refer to the Demand CS label or MSDS on the Syngenta Internet Website at <http://www.syngentaprofessionalproducts.com>. Product information is also available by calling Syngenta Product Support at 1-800-888-8372.

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