

# Wisdom TC Flowable

Registrant: Amvac Chemical Corporation

## GENERAL

<b>EPA Registration Number:</b>	5481-520	<b>Signal Word:</b>	CAUTION
<b>CA Registration Number:</b>	5481-520-AA		
<b>Active Ingredient:</b>	7.9 - Bifenthrin	<b>Application Methods:</b>	Ground
<b>Label Version:</b>	10272-20170516	<b>Mode of Action:</b>	IRAC 3A
<b>Physical State:</b>	Liquid (8.53 lb / ga)	<b>Toxic To:</b>	Aquatic Invertebrates, Aquatic Organisms, Bees, Fish, Reptile Pets
<b>Product Type:</b>	Insecticide	<b>Rainfastness:</b>	
<b>Formulation Type:</b>	Liquid (Flowable)		

## ADDITIONAL INFORMATION

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

## CALIFORNIA

<b>Registration #:</b>	5481-520-AA	<b>CA Restricted:</b>	No
<b>CA NOI Required:</b>	No		

**REGISTERED FOR USE IN**

**PACKAGE TYPES**

0.25 GA Package(s) QUART (12 / Case)	0.75 GA Package(s) 3-QT (4 / Case)	1 GA Package(s) (4 / Case)
55 GA Package(s)	250 GA Package(s)	

**\*\*Specific Notices will not be shown until a pest is selected.**

**SAFETY**

**PPE Information:** PERSONAL PROTECTIVE EQUIPMENT (PPE) All pesticide handlers (mixers, loaders and applicators) must wear: - Long-sleeved shirt and long pants. - Chemical-resistant gloves. - Shoes plus socks. After the product is diluted in accordance with label directions for use, and/or when mixing and loading using a closed spray tank transfer system (such as U-Turn(R)), or an in-line injector system, all handlers must wear: - Shirt and pants. - Shoes plus socks. - Waterproof gloves. In addition, all pesticide handlers must wear a respiratory protection device(1) when working in a non-ventilated space. All pesticide handlers must wear protective eyewear when working in a non-ventilated space or when applying termiticide by rodding or sub-slab injection. (1)Use one of the following NIOSH approved respirator with any R, P or HE filter, or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter. Wear protective clothing, unvented goggles, gloves and respirator, when applying to overhead areas or in poorly ventilated areas.

**Re-Entry PPE Information:** No Information Available

**Transport Information:** DOT Not regulated as dangerous goods. IATA UN number UN3082 UN proper shipping name Environmentally hazardous substances, liquid, n.o.s. (Bifenthrin) Class 9 Transport hazard class(es) Subsidiary hazard - Label(s) 9 Packing group III Environmental hazards Yes Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Passenger and cargo Allowed. aircraft Other information Cargo aircraft only Allowed. Read safety instructions, SDS and emergency procedures before handling. IMDG UN number UN3082 UN proper shipping name Environmentally hazardous substances, liquid, n.o.s. (Bifenthrin), MARINE POLLUTANT Class 9 Transport hazard class(es) Subsidiary hazard - Label(s) 9 Packing group III Marine pollutant Yes Environmental hazards EmS Not assigned. 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: IMDG Regulated Marine Pollutant.

**Response Number:** 800-424-9300

**Medical Number:** 888-681-4261

**SDS Hazard ID Signal Word:** Warning

**GENERAL NOTICE 1**

INFORMATION ON THE USE OF THIS PRODUCT Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended only for aesthetic purposes or climatic modifications and being grown in interior plantscapes, ornamental gardens or parks, or lawns and grounds. The use of this product prevents and controls termite infestations in and around structures and constructions. The dilute insecticidal emulsion must be adequately dispersed in the soil to establish a barrier between the wood and the termites in the soil. As a good practice: 1) all non-essential wood and cellulose containing materials should be removed from around foundation walls, crawl spaces, and porches; 2) eliminate termite access to moisture by repairing faulty plumbing and/or construction grade. Soil around untreated structural wood in contact with soil should be treated as described below. To establish an effective insecticidal barrier with this product the service technician must be familiar with current termite control practices such as: trenching, rodding, sub-slab injection, coarse fan spraying of soil surfaces, crack and crevice (void) injection, excavated soil treatment, and brush or spray applications to infested or susceptible wood. These techniques must be correctly employed to prevent or control infestations by subterranean termites such as: Coptotermes, Heterotermes, Reticulitermes and Zootermopsis. The biology and behavior of the species involved should be considered by the service technician in determining which control practices to use to eliminate or prevent the termite infestation. Choice of appropriate procedures should include consideration of such variable factors as the design of the structure, location of heating, ventilation, and air conditioning (HVAC) systems, water table, soil type, soil compaction, grade conditions, and location and type of domestic water supplies and utilities. For advice concerning control practices with relation to specific local conditions, consult resources in structural pest control and state cooperative extension and regulatory agencies.

**GENERAL NOTICE 2**

**ATTENTION** Do not apply a broadcast application to interior surfaces of homes. Do not apply to pets, crops, or sources of electricity. Firewood is not to be treated. Use only in well ventilated areas. During any application to overhead areas within the structure, cover surfaces below with plastic sheeting or similar material except for soil surfaces in crawl spaces. Do not allow spray to contact food, foodstuffs, food contacting surfaces, food utensils or water supplies. Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of this product. Do not treat areas where food is exposed. During indoor surface applications do not allow dripping or run-off to occur. Do not allow people or pets on treated surfaces until spray has dried. Wisdom TC Flowable will not stain or damage any surface that water alone will not stain or damage. Do not apply this product in patient rooms or in any rooms while occupied by the elderly or infirm. Do not apply in classrooms when in use. Do not apply when occupants are present in the immediate area in institutions such as libraries, sports facilities, etc. Do not apply this pesticide in livestock buildings (barns). Application equipment that delivers low volume treatments, such as the Micro-Injector(R) or Actisol(TM) applicators, may also be used to make crack and crevice, deep harborage, spot and general surface treatments of Wisdom TC Flowable.

**GENERAL NOTICE 3**

**DIRECTIONS FOR USE** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply a broadcast application to interior surfaces of homes. Do not apply by air. Do not apply in greenhouses, nurseries. Do not apply this product through any kind of irrigation system. Not for use on sod farm turf, golf course turf, or grass grown for seed. Do not water treated area to the point of run-off. Do not make applications during rain. Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitats can occur. Do not allow the product to enter any drain during or after application. Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack and crevice treatment. During application, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. All outdoor applications, if permitted elsewhere on this label, must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses, if allowed elsewhere on this label: 1.Applications to soil or vegetation, as listed on this label, around structures; 2.Applications to lawns, turf, and other vegetation, as listed on this label; 3.Applications to the side of a building, up to a maximum height of 3 feet above grade; 4.Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang,awning, or other structure; 5.Applications around potential pest entry points into buildings, when limited to a surface band not to exceed one inch in width; 6.Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in runoff into storm drains, drainage ditches, gutters, or surface waters, in order to control occasional invaders or aggregating pests.

**GENERAL NOTICE 4**

**Mixing:** For the desired application rate, use the chart below to determine the amount of Wisdom TC Flowable for a given volume of finished emulsion: Common units of measure: 1 pint = 16 fluid ounces (oz.) 1 quart = 2 pints = 4 cups = 32 fluid ounces (oz.) \*For Termite applications, only use this rate in conjunction with the application volume adjustments as listed in the section below or in the foam or underground service application sections. **Application Volume:** To provide maximum control and protection against termite infestation apply the specified volume of the finished water emulsion and active ingredient as set forth in the directions for use section of this label. If soil will not accept the labeled application volume, the volume may be reduced provided there is a corresponding increase in concentration so that the amount of active ingredient applied to the soil remains the same. **Note:** Large reductions of application volume reduce the ability to obtain a continuous barrier. Variance is allowed when volume and concentration are consistent with label directed rates and a continuous barrier can still be achieved. Where desirable for pre and post construction treatments, the volume of the 0.12% emulsion may be reduced by 1/2 the labeled volume. See Volume Adjustment Chart below. **Note:** When volume is reduced, the hole spacing for subslab injection and soil rodding may require similar adjustment to account for lower volume dispersal of the termiticide in the soil. See chart below. **After Treatment:** All holes in commonly occupied areas into which Wisdom TC Flowable has been applied must be plugged. Plugs must be of a non-cellulose material or covered by an impervious, non-cellulose material.

## GENERAL NOTICE 5

**APPLICATION INSTRUCTIONS** Wisdom TC Flowable formulation mixes readily with water and other aqueous carriers, and controls listed insects and mites on trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers in interiorscapes including hotels, shopping malls, office buildings, etc., and outdoor plantscapes, such as around residential dwellings, parks, institutional buildings, recreational areas, athletic fields and home lawns. Non-bearing crops are perennial crops that will not produce a harvestable raw agricultural commodity during the season of application. Wisdom TC Flowable may be tank-mixed with other pesticides, including insect growth regulators. When tank mixing Wisdom TC Flowable with other pesticides, observe all precautions and limitations on each separate product label. The physical compatibility of Wisdom TC Flowable may vary with different sources of pesticide products, and local cultural practices. Any tank mixture which has not been previously tested should be prepared on a small scale (pint or quart jar), using the proper proportions of pesticides and water to ensure the physical compatibility of the mixture. The following procedure is recommended for preparation of a new tank mix, unless specified otherwise in label directions: 1. Add wettable powders to tank water, 2. Agitate, 3. Add liquids and flowables, 4. Agitate, 5. Add emulsifiable concentrates and, 6. Agitate. If a mixture is found to be incompatible following this order of addition, try reversing the order of addition, or increase the volume of water. Note: If the tank-mixture is found to be compatible after increasing the amount of water, then the sprayer will need to be recalibrated for a higher volume application. Do not allow tank mix to stand overnight. Resistance: Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state pest management authorities for details. If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and suspect that resistance is a reasonable cause, immediately consult your local company representative or pest management advisor for the best alternative method of control for your area.

## GENERAL NOTICE 6

Wisdom TC Flowable Perimeter Application Dilution Chart (pages 17-18 of the Master label). \*To convert to milliliters, multiply by 29.57. 1 fluid oz. = 29.57 ml = 2 tablespoons = 6 teaspoons Do not use household utensils to measure Wisdom TC Flowable.

## GENERAL NOTICE 7

**FOOD/FEED HANDLING ESTABLISHMENT APPLICATIONS** Applications of this product are permitted in both food/feed and nonfood areas of food/feed handling establishments as a general surface, spot, or crack and crevice treatment. Food/feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Included also are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food. Serving areas where food is exposed and the facility is in operation are also considered food areas. Permitted non-food areas of use include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, garages, mop closets and storage (after canning or bottling). Permitted use sites include, but are not limited to: aircraft (do not use in aircraft cabins), apartment buildings, bakeries, bottling facilities, breweries, buses, cafeterias, candy plants, canneries, dairy product processing plants, food manufacturing plants, food processing plants, food service establishments, granaries, grain mills, hospitals, hotels, industrial buildings, laboratories, meat/poultry/egg processing plants, mobile/motor homes, nursing homes, offices, railcars, restaurants, schools, ships, trailers, trucks, vessels, warehouses, and wineries. Surface Application: Do not use this application method in food/feed handling establishments when the facility is in operation or foods/feeds are exposed. Do not apply directly to food products. Cover or remove all food processing and/or handling equipment during application. After application in food processing plants, bakeries, cafeterias, and similar facilities, wash all equipment, benches, shelving and other surfaces which food will contact. Clean food handling or processing equipment and thoroughly rinse with clean, fresh water. Spot, Crack and Crevice Application: Spot or crack and crevice applications may be made while the facility is in operation; however, food should be covered or removed from area being treated. Do not apply directly to food. Foam Applications Wisdom TC Flowable may be converted to foam and used to treat structural voids. Dilute 0.33 to 1.0 fluid oz. of Wisdom TC Flowable per gallon of water and add the manufacturers recommended volume of foaming agent to produce a 0.02% to 0.06% foam concentration. Verify before treatment that the foaming agent is compatible with Wisdom TC Flowable.

## GENERAL NOTICE 8

**TERMITE CONTROL (ABOVE GROUND ONLY)** The purpose of the applications described below are to kill termite workers or winged reproductives that may be present at the time of treatment. These applications are intended as supplements to, and not substitutes for, mechanical alteration, soil treatment or foundation treatment. To control exposed workers and winged reproductive termites in localized areas, dilute 1.0 fluid oz. of Wisdom TC Flowable per gallon of water and apply as a coarse fan spray at the rate of one gallon per 1,000 square feet to attics, crawl spaces, unfinished basements and other void areas. Treat swarming termites as well as the areas in which they congregate. To control above-ground termites in localized areas of infested wood, dilute 1.0 fluid oz. of Wisdom TC Flowable per gallon of water and apply as a liquid or foam to voids and galleries in damaged wood as well as to spaces between wooden structural members and between the sill plate and foundation where wood is vulnerable to attack. Applications may be made to inaccessible areas by drilling and then injecting the dilution or foam, with a suitable directional injector, into damaged wood or wall voids. All treatment holes drilled in construction elements in commonly occupied areas of structures should be securely plugged after treatment. To control termite carton nests in building voids, dilute 1.0 fluid oz. of Wisdom TC Flowable per gallon of water and apply as a liquid or foam using a pointed injection tool. Multiple injection points and varying depths of injection may be necessary to achieve control. When possible, the carton nest material should be removed from the building void after treatment.

**GENERAL NOTICE 9**

**FIRST AID** 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 a poison control center or doctor. - Do not give anything by mouth to an unconscious person. 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 further 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 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. **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: 1-800-424-9300 For Product Use Information phone: AMVAC: 1-888-462-6822 **NOTE TO PHYSICIAN** This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

**GENERAL NOTICE 10**

**PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION:** Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. **PERSONAL PROTECTIVE EQUIPMENT (PPE)** All pesticide handlers (mixers, loaders and applicators) must wear: - Long-sleeved shirt and long pants. - Chemical-resistant gloves. - Shoes plus socks. After the product is diluted in accordance with label directions for use, and/or when mixing and loading using a closed spray tank transfer system (such as U-Turn(R)), or an in-line injector system, all handlers must wear: - Shirt and pants. - Shoes plus socks. - Waterproof gloves. In addition, all pesticide handlers must wear a respiratory protection device(1) when working in a non-ventilated space. All pesticide handlers must wear protective eyewear when working in a non-ventilated space or when applying termiticide by rodding or sub-slab injection. (1) Use one of the following NIOSH approved respirator with any R, P or HE filter, or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter. When treating adjacent to an existing structure, the applicator must check the area to be treated, and immediately adjacent areas of the structure, for visible and accessible cracks and holes to prevent any leaks or significant exposures to persons occupying the structure. People present or residing in the structure during application must be advised to remove their pets and themselves from the structure if they see any signs of leakage. After application, the applicator is required to check for leaks. All leaks resulting in the deposition of termiticide in locations other than those prescribed on this label must be cleaned up prior to leaving the application site. Do not allow people or pets to contact contaminated areas or to reoccupy contaminated areas of the structure until the clean-up is completed.

**GENERAL NOTICE 11**

Wisdom TC Flowable Perimeter Application Dilute Chart see page 17. Wisdom TC Flowable Ornamental Dilution Chart see page 14. Wisdom TC Flowable Lawn Dilution Chart see page 13.

**GENERAL NOTICE 12**

When used as a termiticide, Individuals/Firms must be licensed by the State to apply termiticide products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the pest control regulatory agency of your State prior to use of this product. To control pests indoors and outdoors on residential, institutional, public, commercial, and industrial buildings, and lawns, ornamentals, parks, recreational areas and athletic fields.

**GENERAL NOTICE 13**

**PHYSICAL AND CHEMICAL HAZARDS** Do not apply water-based dilutions of Wisdom TC Flowable to electrical conduits, motor housings, junction boxes, switch boxes or other electrical equipment because of the possible shock hazard.

## TANK MIX INFORMATION

Wisdom TC Flowable may be tank-mixed with other pesticides, including insect growth regulators. When tank mixing Wisdom TC Flowable with other pesticides, observe all precautions and limitations on each separate product label. The physical compatibility of Wisdom TC Flowable may vary with different sources of pesticide products, and local cultural practices. Any tank mixture which has not been previously tested should be prepared on a small scale (pint or quart jar), using the proper proportions of pesticides and water to ensure the physical compatibility of the mixture. The following procedure is recommended for preparation of a new tank mix, unless specified otherwise in label directions:

1. Add wettable powders to tank water,
2. Agitate,
3. Add liquids and flowables,
4. Agitate,
5. Add emulsifiable concentrates and,
6. Agitate.

If a mixture is found to be incompatible following this order of addition, try reversing the order of addition, or increase the volume of water.

Note: If the tank-mixture is found to be compatible after increasing the amount of water, then the sprayer will need to be recalibrated for a higher volume application. Do not allow tank mix to stand overnight.

## SPECIAL INSTRUCTIONS

Mixing Directions: Mix the termiticide use dilution in the following manner: Fill tank 1/4 to 1/3 full. Start pump to begin by-pass agitation and place end of treating tool in tank to allow circulation through hose. Add appropriate amount of Wisdom TC Flowable.

Add remaining amount of water. Let pump run and allow recirculation through the hose for 2 to 3 minutes.

Wisdom TC Flowable may also be mixed into full tanks of water, but requires substantial agitation to ensure uniformity of the emulsion.

To prepare a 0.06% water emulsion, ready to use, dilute 3 quarts of Wisdom TC Flowable with 99.25 gallons of water.