



000432-00544-041999

Printed: 13:34:51 Friday, 14 May, 1999 # 41 / 2830

Systems Integration Group, Inc.

PM03

432-544

4/19/99

1 of 5

ULTRATEC® INSECTICIDE

With SBP-1382® Transparent Emulsion** Dilutable Concentrate 2%

- CONTAINS 0.17 LB/GAL OF SBP-1382 (20 G/L)
- DUAL ACTION INSECT KILLER
- KILLS AS SPACE AND RESIDUAL SPRAY
- KILLS ROACHES UP TO 4 WEEKS
- CAN BE USED IN NON-FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS
- FOR USE IN AUTOMATIC INSECT CONTROL SYSTEMS

Active Ingredient:

*Resmethrin.....	2.0%
Other Ingredients:.....	98.0%
	100.0%

*Cis/trans isomers ratio max. 30% (±) cis and min. 70% (±) trans.

**U.S. Patent No. 3,683,078.

UltraTEC and SBP-1382 are registered trademarks of AgrEvo Environmental Health, Inc.

EPA Reg. No. 432-544

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN
WARNING**

Have clean water supply at hand in case of an eye emergency when diluting this concentrate.

FIRST AID

If In Eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

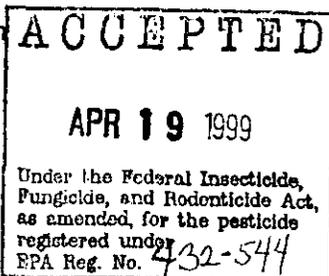
If Swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or if available by administering syrup of ipecac. If person is unconscious, do not give anything by mouth and do not induce vomiting.

If On Skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

**See side panel for additional
precautionary statements**

NET CONTENTS:

AgrEvo Environmental Health
95 Chestnut Ridge Road
Montvale, NJ 07645



IN CASE OF MEDICAL EMERGENCIES OR HEALTH AND SAFETY INQUIRIES, OR IN CASE OF FIRE, LEAKING OR DAMAGED CONTAINERS, INFORMATION MAY BE OBTAINED BY CALLING 1-800-471-0660.

FOR PRODUCT INFORMATION, CALL TOLL-FREE: 1-800-331-2867.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING**

Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes or on clothing. Wear protective eyewear (goggles or face shield). Avoid contact with skin. Wash thoroughly with soap and water after handling. Avoid breathing vapor.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated sites may be hazardous to fish in adjacent waters. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME. Flash point minimum 150°F (65.5°C). Do not use water-based sprays of UltraTEC Insecticide in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

DIRECTIONS FOR USE

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

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 for aesthetic purposes or climatic modification and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

FOR USE IN NON-FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS, in and around premises of Commercial, Industrial, Office, Residential, Public, Institutional and Storage Buildings, Hotels, Motels, Homes, Preschools, Nurseries, Day Camps, Seed Houses, Packaging and Processing Plants, Milk Handling Areas of Milk Plants, Milk Storage Rooms, Egg Processing Plants, Supermarkets, Restaurants, Bottling Plants, Canneries, Flour and Feed Mills, Bakeries, Boats, Ship Cabins and Hospitals. **IN HOSPITALS, Patients**

should be removed prior to treatment. Also for use in Campers, Mobile Homes, Buses, Automobiles, Trucks, Boxcars and Ship Cargo Holds. Also for use in Dog Kennels and Horse Stables. **IN HORSE STABLES,** not for application if horses will be used for food.

DO NOT USE ON ELECTRICAL EQUIPMENT OR ON SURFACES THAT CAN BE HARMED OR STAINED BY WATER.

Do not use in edible product areas of food processing plants, restaurants, or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed. In the home, cover or remove exposed foods. Avoid contamination of cooking utensils and food preparation surfaces.

GENERAL INFORMATION: Use this product to control the pests indicated in the areas listed below by application as a 0.02%, 0.25%, or 0.35% emulsion spray.

For Contact and Space Sprays use either the 0.25% or 0.35% emulsion sprays. For Residual Sprays use the 0.35% emulsion spray. For plants, use only the 0.02% spray and do not tank-mix with other products to avoid phytotoxic effects. To prepare the spray, dilute this product with water as shown in the following SPRAY DILUTION CHART. Mix well before using. Repeat the treatment as needed.

SPRAY DILUTION CHART

Amount of Spray Mixture Desired	Fluid Ozs * of UltraTEC 2% to use		
	0.02% Spray	0.25% Spray	0.35% Spray
8 fl. oz (237 ml)	½ tsp (2.5 ml)	1 fl oz (30 ml)	1½ fl oz (44 ml)
16 fl oz (473 ml)	1 tsp (5 ml)	2 fl oz (59 ml)	3 fl oz (89 ml)
32 fl oz (946 ml)	2 tsp (10 ml)	4 fl oz (118 ml)	6 fl oz (177 ml)
½ gal (1.89 L)	4 tsp (20 ml)	8 fl oz (237 ml)	11½ fl oz (340 ml)
1 gal (3.79 L)	8 tsp (40 ml)	16 fl oz (473 ml)	23 fl oz (680 ml)

*NOTE: 1 fluid ounce = 2 tablespoons = 6 teaspoonfuls = 30 milliliters

Tank-Mixing Instructions: UltraTEC Insecticide may be tank-mixed with other currently registered pesticides unless expressly prohibited by the product label. A small volume mixing test with other products is recommended to ensure compatibility. Observe all restrictions and precautions which appear on the labels of these products.

UltraTEC Insecticide may be tank-mixed with Butacide 8 EC in accordance with the following rates. Add UltraTEC Insecticide to spray tank, then add the appropriate amount of Butacide 8 EC. Add water to obtain the desired dilution. Mix well before using.

Tank-Mix Spray Dilution Chart with Butacide 8 EC

Amount of Spray Mixture Desired	Fluid Ounces (pints) of UltraTEC 2% to Use*			Fl. Oz. of Butacide 8 EC to Use
	0.05%	0.075%	0.10%	
2.5 gallons	8 (0.5)	12 (0.75)	16 (1)	1.75
5 gallons	16 (1)	24 (1.5)	32 (2)	3.5
30 gallons	96 (6)	144 (9)	192 (12)	21
55 gallons	176 (11)	264 (16.5)	352 (22)	38.5

*For maintenance treatment, apply using the 0.05% spray. For clean out treatments, use the 0.075% dilution. For severe infestations, the 0.10% dilution should be used.

INDOORS

SPACE SPRAY: Remove or cover plants. Do not allow the spray to contact plants because of possible injury. Remove pets and cover aquariums and terrariums before treatment. Ventilate for 2 hours after treatment.

FLYING INSECTS: To kill *house flies, deer flies, stable flies, gnats, cluster flies, vinegar flies, mosquitoes, fruit flies, flying moths (millers)*: Apply as a space spray. Mix well before using. Fill spray tank. Adjust pressure and nozzle to deliver a fine mist spray. Close all doors and windows. Point nozzle upward, direct the spray mist to all parts of the room, especially windows and other light sources which attract these insects. Keep the spray nozzle at all times at least 4 ft. (1.2 m) from fabrics to avoid wetting or staining. Fill the room with mist at the dosage of 1 fl. oz. per 1000 cu. ft. of space (30 ml per 28.3 cu. m.). Then leave the treated area. Keep the room closed for at least 15 minutes. Ventilate the room when treatment is completed and before re-entry.

CRAWLING INSECTS: To kill *fleas, cockroaches, waterbugs, crickets, silverfish, earwigs, spiders, sowbugs, centipedes, millipedes, grain mites and grain insects (adults and accessible stages of confused flour beetles, red flour beetles, saw-toothed grain beetles, cigarette beetles, shiny spider beetles, carpet beetles, grain weevils, Angoumois grain moths)*. Apply as a contact spray. Mix well before using. Fill spray tank with spray dilution. Keep spray nozzle about 8 to 12 inches (20 to 30 cm) from surface to be treated. Adjust pressure and nozzle to deliver a coarse spray with particle size larger than that of the average aerosol. Spray thoroughly into hiding places such as cracks, crevices, moist areas, openings around pipes and sinks, under refrigerators, baseboards, storage areas and other insect harborage areas. Spray directly on insects where possible. Repeat as necessary.

TO KILL Spiders: Spray directly on these pests and use repeated applications to the webbing and all cracks and crevices which harbor spiders.

TO KILL **Ants**: Spray doors, around window frames, ant trails and hills.

TO KILL **Bedbugs and Lice**: Apply as a spot treatment to cracks and crevices around baseboards, floorboards, bedboards and walls. First, thoroughly clean and air mattresses and springs. Then spot treat only areas that may harbor pests, concentrating on tufts, folds and seams. Repeat as necessary. For persistent infestations, consult professional applicator.

TO KILL **Fleas and Ticks** IN DOG AND CAT PREMISES: Thoroughly spray the animal's bedding and other resting areas until the surface is slightly moist. Treat these areas at the rate of 2 seconds per linear foot (30 cm) at a distance of 12 to 18 inches (30 to 46 cm). Also spray the entire inside surface of doghouses. Repeat as necessary, thoroughly spraying floors, cracks, crevices and bedding. Hit as many insects directly as possible. For best results, dogs and cats should also be treated with an appropriate insecticide.

IN HORSE STABLES: UltraTEC Insecticide is a transparent emulsion concentrate specially formulated for use in automatic insect control systems. Dilute in accordance with the Spray Dilution Chart or Tank-Mix Spray Dilution Chart above. Apply as a space or contact spray or use in automatic insect control systems to control **flies, deer flies, stable flies, cluster flies, mosquitoes and gnats**. UltraTEC Insecticide is designed to remain stable in spray tank of automatic insect control systems over the fly season and should not require additional mixing. When tank-mixed with other products, occasional agitation may be necessary to ensure products are evenly mixed. **Not for use if horses will be used for food.**

TO KILL **Wasps, Hornets, Yellow Jackets, Bees**: Application should be made in late evening when insects are at rest. Spray liberally into hiding and breeding places, especially under attic rafters, contacting as many insects as possible. Repeat as necessary.

RESIDUAL SPRAY: Aids in the control of **Cockroaches, crickets, silverfish, ants, millipedes, centipedes, earwigs, grain mites, sowbugs, spiders**:: Kills for up to 4 weeks. Spray baseboards, cracks and crevices, around door and window frames, and other hiding places such as closets, in back of and under appliances, sinks and cupboards in kitchens and bathrooms. In basements, spray hiding places in cracks and crevices, lower walls and dark places. Apply as a coarse wet spray in a 4 to 6 inch (10 to 15 cm) band until area is thoroughly wet but not to the point of run-off. Repeat as necessary.

ORNAMENTAL PLANTS INDOORS: In homes, commercial and institutional buildings, and for indoor

landscaping: To control **aphids, fungus gnats, leafhoppers, plant bugs, spittlebugs, thrips, and whiteflies** on the plants listed below, use the 0.02% spray dilution.

Prior to spray application, remove infested plants from living and eating areas, and place in an area not likely to come in contact with pets, children or food. Plants can be returned to original location when leaves dry.

If plant removal is not possible, remove or cover exposed food and food handling surfaces, including utensils, and remove animals. Shut off ventilating system, air ducts, and air conditioning equipment. Avoid spray contact with surrounding areas. Apply the spray to the upper and lower surfaces of plant foliage to the point of run-off. Avoid wetting blossoms if possible. Spray in the late afternoon or evening, when temperatures range from 50°F to 72°F (10°C to 22°C). Repeat applications weekly if necessary.

ageratum	ferns: asparagus	pansy
aluminum plant	Boston	peperomia
arrowhead vine	sword	petunia
aster	figus	philodendron
azalea	fuchsia	piggy-back plant
Baby's Tears	gardenia	poinssetia
begonia	geranium	pothos
black-eyed Susan	heliotrope	prayer plant
bridal veil	hibiscus	purple waffles
broadleaf acacia	hoya	roses
calendula	ice plant	rubber plant
carnations	inch plant	salvia
Christmas cactus	ivy: German	sedum
chrysanthemum	grape	shamrock
coleus	Swedish	snake plant
daisy	English	snapdragon
daphne	marigold	Star-of-Bethlehem
dracaena	Moses in Cradle	verbena
dumbcane	nasturtium	wandering Jew
Easter lily	nephthytis	wax plant
fatshedera	palms	zebra plant
		zinnia

USE WITH CAUTION on African violet, azalea, Reiger begonia, browallia, Tahitian bridal veil, caenothus, camellia, plumosa fern, gloxinia, impatiens, geranium, oxalis, jade, primrose, cyclamen, wax begonia, spider plant, chrysanthemum, Boston fern and friendship plant.

As with all plants listed above, especially carnations, chrysanthemums and roses, there exists a wide variety of species and cultivars and therefore a wide range of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours and check for possible injury.

OUTDOORS

To control nuisance pests around buildings, patios and paved areas. Apply as a contact spray using either 0.25% or 0.35% spray dilution. Spray directly on insects. Avoid spraying turf or plants.



TO KILL *house flies, mosquitoes, gnats, (midges), deer flies, stable flies, cluster flies, flying moths (millers) fruit flies*: Spray resting areas to reduce annoyance from these pests. Follow precautions listed above. Hold container 18 to 24 inches (46 to 61 cm) from the areas to be treated. Spray these areas with a slow sweeping motion at the rate of from 1 to 3 seconds per cubic yard of space (0.76 cu. m) while moving away from the treated areas. Treat open porches and patios in a similar manner. Spray only when air is still. Allow spray to dissipate before occupying the treated area. Repeat as necessary.

Wasps, Hornets, Yellow Jackets, Bees: Same as directed above for indoor use. Application should be made in the late evening when insects are at rest. Aim spray at nest openings in cracks and crevices which may harbor pests, saturating nest openings and contacting as many insects as possible. Repeat as necessary.

Ants and Fleas: Same as directed above for indoor use.

Crickets, Silverfish, Earwigs, Spiders, Sowbugs, Centipedes and Millipedes: Same as directed above for indoor use.

Fire Ants: Kills and temporarily reduces annoyance of these insects. To reduce annoyance from these ants and keep them from entering homes, spray patios, barbecue areas, driveways, door sills, window sills, other entrance areas, foundations of buildings, ant trails, mounds, around pools and areas where the ants are noticed. Spray until the area is wet contacting as many insects as possible. This treatment will not kill the colonies but will reduce the immediate population for up to four hours. Repeat as necessary. Avoid contacting plants, shrubbery and large areas of lawns.

ORNAMENTAL PLANTS OUTDOORS: To control the pests listed below, use the 0.02% spray dilution. Spray the upper and lower surfaces of plant foliage to the point of run-off. Spray in the late afternoon or evening, when the temperature ranges from 50°F to 72°F (10°C to 22°C) and when there is little or no wind. Spray early in the season or when the pests first appear. Weekly applications may be necessary for heavy infestations. On those plants that will flower during the season, the spray schedule should be completed before blossom formation.

TO KILL *aphids, fungus gnats, Gypsy moths, oakworms, elm spanworms, cicada, inchworms, cankerworms (fall and spring), Japanese Beetles, leafhoppers, plant bugs, spittlebugs, thrips, tussock moths and whiteflies* on the following trees and shrubs:

amaranth	hemlock	pittosporum
aralia	holly	podocarpus
arborvitae	ixora	rhododendron
boxwood	lantana	spirea
bugleweed	laurel	spruce
dogwood	lilac	sweet olive
elm	locust	toyon
euonymus	mimosa	viburnum
flowering maple	oak	yew

Also, to control *citrus blackflies* on non-bearing citrus; *cutworms and flea beetles* on dichondra; *lacebugs* on andromeda; *leafbeetles* on elm; *mimosa webworm* on mimosa; *mites, scales and budworms* on spruce; *sawflies and weevils* on pine and Chinese evergreen; *tent caterpillars* on non-bearing cherry trees; *beet armyworm and cutworm* on carnations, chrysanthemums, snapdragons; *rose slugs* on roses. Spray directly on insects.

TO KILL *aphids, fungus gnats, leafhoppers, inchworms, plant bugs, spittlebugs, thrips, spider mites and whiteflies* on the following plants:

ageratum	daphne	peony
aster	fuchsia	petunia
begonia	gardenia	philodendron
black-eyed Susan	heliotrope	poinsettia
broadleaf acacia	hibiscus	queen sago
calendula	iris	roses
hypoestes	ivy	salvia
coleus	marigold	snapdragon
daisy	nasturtium	tobira
		zinnia

USE WITH CAUTION on African violet, ash, azalea, Reiger begonia, wax begonia, geranium, browallia, columnea, cotoneaster, caenothus, camellia, plumosa fern, gloxinia, impatiens, juniper, non-bearing mulberry and quince, oxalis, jade, primrose, cyclamen and cypress.

TO KILL **Tent Caterpillars**: Application should be made when caterpillars are young and tents are first noticed (usually late spring). For best results, apply in the late afternoon or evening when caterpillars have returned to their tents. Aim spray directly at tents and totally saturate on all sides. Repeat as necessary.

TO KILL **Gypsy Moth Caterpillars**: Application should be made when caterpillars are young and are first noticed (usually late spring). Spray plants evenly to the point of run-off, applying to both sides of leaves and other areas of plants where insects are suspected. For dense evergreens and shrubs, be sure spray reaches interior leaves and branches.

As with all plants listed above, especially carnations, chrysanthemums and roses, there exists a wide variety of species and cultivars and therefore a wide variety of susceptibility to injury. To ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours, and check for possible injury.

althea	forsythia	palm
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STORAGE & DISPOSAL

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

Storage: Do not store this water-based formulation at temperatures below 32°F (0°C). If this material has been exposed to temperatures below 32°F (0°C), there may be precipitation. Check for crystallization. If evident, warm to 80°F (26.5°C) and thoroughly mix before using. **DO NOT USE OPEN FLAME.**

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: [For Containers 1 Gallon and Under] Do not reuse empty container. Wrap container and put in trash. [For Containers Over 1 Gallon] Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

NOTICE: Buyer assumes all responsibility for safety and use not in accordance with directions.

