



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
262634

Application for Pesticide - Section I

1. Company/Product Number 19713-489	2. EPA Product Manager Mr. Tom Harris <i>04</i>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) SUMULSION TM	PM# Insecticide-Rodenticide Branch	
5. Name and Address of Applicant (Include ZIP Code) Drexel Chemical Company 1700 Channel Avenue Memphis, TN 38113 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(ii), my product is similar or identical in composition and labeling to: EPA Reg. No. NOTIFICATION Product Name MAY 20 1998	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 We are submitting a copy of the above label (489SP-0598) to update the label 489SP-0298 submitted by Notification on 2/20/98 for your record.
 In addition to reformatting the table of use recommendations, we also made the following changes:
 1) The EPA Establishment No. was replaced 2) Under the Agricultural Use Requirement box, the words "and notification of workers" were added to the end of the sentence "It also contains...(REI)".
 3) The trademarks claim sentence was added at the left-hand bottom corner of the label.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
					Other (Specify) _____
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product			<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		
			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Luz G Chan		Title Registration Manager		Telephone No. (Include Area Code) (901) 774 4370	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title Registration Manger			
4. Typed Name Luz G Chan		5. Date May 7, 1998			

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NOTIFICATION

MAY 20 1998



SumulsionTM

Spray Oil Emulsion Insecticide

ACTIVE INGREDIENT:

Petroleum oil: 80.0%

OTHER INGREDIENTS: 20.0%

TOTAL: 100.0%

Unsulfonated residue of petroleum oil is 92.0%.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See First Aid Below

EPA Reg. No. 19713-489

EPA Est. No. 19713-GA-1^A

EPA Est. No. 19713-TN-1^B

Net Contents: _____

The prefix in Lot Number designates Producing Establishment.

FIRST AID

IF SWALLOWED: Do not induce vomiting. Call a doctor or poison control center. Do not give anything by mouth to an unconscious person.

IF ON SKIN: Wash with soap and water. Get medical attention if irritation persists.

IF IN EYES: Flush with plenty of running water. If irritation persists, see a physician.

IF INHALED: Remove from exposure. Use artificial respiration if not breathing.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Avoid breathing of spray mists or vapors. Avoid contamination of feed or foodstuffs.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Handlers who may be exposed to the dilute through application or other tasks must wear shoes plus socks and chemical resistant gloves (such as barrier laminate, nitrile rubber, neoprene rubber, or viton). Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergents and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. For terrestrial use only. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on the label. Do not apply when weather conditions favor drift from areas treated.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted entry interval (REI) and notification of workers. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval of 4 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, chemical resistant gloves (such as barrier laminate, nitrile rubber, neoprene rubber, or viton) and shoes plus socks.

GENERAL INFORMATION

This insecticide's mode of action is through suffocation of eggs, larvae and nymphs of insects and adults of soft bodied insects. This mode of action necessitates total spray coverage. Use enough spray solution to completely cover both top and bottom of all of the leaves and completely penetrate the leaf canopy. This product controls a wide range of mite and insect pests in the egg stage such as: *Adelgids*, *Aphids*, *Armored and Soft scales*, *Cankerworms*, *Leathoppers*, *Leafrollers*, *Leafhoppers*, *Mealybugs*, *Plant bugs*, *Psyllids*, *Spider and Eriophyid mites*, *Webworms* and *Whiteflies*. This product will kill other immature forms if spray covers the insect. For use in the greenhouse, shade house, industrial plantings, residential plantings and field plantings.

USE PRECAUTIONS

Keep container tightly closed in storage. All horticultural oils interfere with or slow plant transpiration and respiration during periods of evaporation. Do not apply during periods of drought or when plants exhibit moisture stress. Do not use when temperatures are above 90°F. When temperatures drop below 32° F (usually nighttime lows), do not spray tree and vine crops until daytime temperatures have warmed to a point above 32°F and are free from moisture due to melting frost or heavy dews. Do not store dilute spray. Mix new batch for each use.

COMPATIBILITY

SUMULSION is compatible with most commonly used insecticides and fungicides. Read and follow all precautions and limitations on labeling of all products used in tank mixtures. Do not use in combination with or immediately before or after spraying with fungicides such as captan, folpet, oxythioquinox (Morestan®) or any other product containing sulfur. Also, do not use with carbaryl or dimethoate. Do not use with any product whose label recommends the use of no oils. Do not use in combination with NPK foliar fertilizer applications.

CHEMIGATION

Do not apply this product through any type of irrigation system.

TIMING THE TREATMENT

You must determine the precise timing to fit local growth and climatic conditions. This product can be applied up to day of harvest.

Manufactured By:



Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

SUMULSION is a trademark of Drexel Chemical Company.
Morestan is a registered trademark of Bayer Ag.

MIXING DIRECTIONS

Add sufficient water to the mixing tank to allow proper agitation. Add the correct amount of SUMULSION to the tank. Maintain agitation until solution is used. If other pesticides are to be added, do so after SUMULSION has been thoroughly mixed.

APPLICATION DIRECTIONS

Apply specified rate of SUMULSION in 100 to 800 gallons of water per acre by ground application and in 10 to 20 gallons of water per acre by aerial spraying.

APPLICATION RATES

TREE CROPS			
Crops	Pest	Rate per Acre	Time of Application
Almond, Apricot, Cherry, Plum, Prune	Aphids, Fruit tree leafroller, Mites, Scales, Whiteflies	1 to 2 gals.	Dormant
Apple (all varieties)	Aphids, Bugs (including Apple red bug), Fruit tree leafroller, Mites (including European red mite), Scales (hard, soft, scurfy), Whiteflies and other similar insects	1 to 2 gals.	Dormant
Avocado, Banana, Macadamia	Bugs, Leafhoppers, Scale, Sigatoka, Leafrollers, Thrips and other similar insects	1 to 2 gals.	Dormant
Citrus	Blackfly, Greasy spot, Mites, Scales (Brown, California red, Chaff, Glover, Purple, Red, Snow, Soft, Yellow), Sooty mold, Whiteflies and other similar insects	1 to 2 gals.	See Note
NOTE: Applications after October may increase cold damage to trees while those applications made in August and September may affect solids content and/or retard color.			
Fig	Aphids, Mites, Scales and other similar insects	1 to 2 gals.	Dormant / Delayed Dormant
Nectarine, Peach, Pecan	Aphids, Fruit tree leafroller, Mites, Scales, Whiteflies	1 to 2 gals.	Dormant
Olive	Scale (Black, Oleander, Parlatoria), Spider mites	1 to 2 gals.	Pre-bloom or post-bloom to Buckshot
Pear	Aphids, Fruit tree leafroller, Mites (including Pear leaf blister mite), Scales, Whiteflies	1 to 2 gals.	Dormant
	Pear Psyllia	1 to 2 gals.	Late Dormant
Walnut	Aphids, Mites, Scales and other similar insects	1 to 2 gals.	Late Spring to mid Summer
	NOTE: Do not apply after husk splits.		

GREENHOUSE, ORNAMENTALS			
Crops	Pest	Rate per Acre	Time of Application
Azalea, Camellia, Carnation, Fuschia, Gladiola, Hibiscus, Iris, Lily, Mums, Poinsettia, Rhododendron, Rose and other similar ornamental plants	Aphids, Fungus gnat, Leafminers, Mealybugs, Mites, Scales, Thrips, Whiteflies and other similar insects	1 to 2 gals.	Dormant
Orchids	Aphids, Fungus gnat, Leafminers, Mealybugs, Mites, Scales, Thrips, Whiteflies and other similar insects	1 to 2 gals.	As needed

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VEGETABLE AND FIELD CROPS			
Crops	Pest	Rate per Acre	Time of Application
Asparagus, Bean, Cucumber, Eggplant, Melon, Peanut, Pepper, Pumpkin, Radish, Squash, Tomato	Aphids, Beetle larvae, Leafhoppers, Leafminers, Mites, Thrips, Whiteflies and other similar insects	1 to 2 gals.	As needed
Cabbage, Cauliflower, Celery, Cole Crops, Lettuce, Onion	Aphids, Leafhoppers, Leafminers, Loopers, Mites, Plant bugs, Thrips, Whiteflies and other similar insects	1 to 2 gals.	As needed
Corn (Sweet)	Aphids, Leafminers, Mites, Whiteflies and other similar insects	1 to 2 gals.	Summer
Corn (Field)	Aphids, Leafminers, Mites, Whiteflies and other similar insects	1 to 2 gals.	Spring to Early Summer
Corn (Seed), Popcom	Aphids, Leafminers, Mites, Whiteflies and other similar insects	1 to 2 gals.	As needed
Cotton	Aphids, Bollworm eggs and larvae, Leafhoppers, Loopers, Mites, Thrips, Whiteflies and other similar insects	1 to 2 gals.	As needed
Potato, Sweet Potato	Aphids, Leafminers, Mites, Whiteflies	1 to 2 gals.	As needed
Sugar Beet	Aphids, Leafminers, Mites, Whiteflies and other similar insects	1 to 2 gals.	As needed
Tobacco	Leafminers, Mites, Whiteflies	1 to 2 gals.	As needed

SHADE TREES, SHRUBS, ORNAMENTALS, FLOWERS, FOLIAGE PLANTS			
Crop	Pest	Rate per Acre	Time of Application
Conifers	Aphids, Leafminers, Mites, Plant bugs, Psyllids, Sawflies, Scales, Whiteflies and other similar insects	1 to 2 gals.	--
NOTE: Do not use on conifers that are not tolerant to oil sprays.			
Foliage and Bedding plants, Shade trees, Shrubs	Aphids, Leafminers, Mites, Plant bugs, Psyllids, Sawflies, Scales, Whiteflies and other similar insects	1 to 2 gals.	Dormant
Ornamentals	Aphids, Leafminers, Mites, Plant bugs, Psyllids, Sawflies, Scales, Whiteflies and other similar insects	1 to 2 gals.	See Note
NOTE: Oil might remove the glaucous-(blue)-bloom from such evergreens as Colorado Blue Spruce and Koster Spruce. Use with caution and reduced dosage for Summer application on Japanese Red Maple, Amur Maple and Black Walnut. Use with caution and reduced dosage for dormant application on Sugar Maple and Redbud.			

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SMALL FRUITS

Small Fruits	Pest	Rate per Acre	Time of Application
Blueberries	Aphids, Mites, Sawflies, Scales, Whiteflies and other similar insects	1 to 2 gals.	Dormant / Summer
Caneberries	Aphids, Mites, Sawflies, Scales, Whiteflies and other similar insects	1 to 2 gals.	As needed
Grapes	Leafhoppers, Leaf-miners, Mealybugs, Mites, Scales, Whiteflies	1 to 2 gals.	Dormant
Strawberries	Aphids, Mites, Sawflies, Scales, Whiteflies and other similar insects	1 to 2 gals.	Dormant

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.
STORAGE: Store in a cool, dry, locked area out of reach of children. Protect from excessive heat. Keep container tightly closed in storage to prevent entry of water.
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: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

WARRANTY—CONDITION OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.
 In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.