

92.05.15

SUMITHION(R) 50 EC
EMULSIFIABLE CONCENTRATE INSECTICIDE
RESTRICTED

For the control of spruce budworm larvae, eastern hemlock looper, western hemlock looper, sawflies, cankerworm, jackpine budworm, and spruce budmoths infesting forests, wood lots, tree nurseries and Christmas tree plantations.

GUARANTEE: Fenitrothion - 500 g/L

REGISTRATION NO.: 20600 PEST CONTROL PRODUCTS ACT

KEEP OUT OF REACH OF CHILDREN.

READ THE LABEL BEFORE USING.

CAUTION POISON

NET CONTENTS: 210 L

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SUMITHION(R) 50 EC is a registered trademark of Sumitomo Chemicals America Inc.

GENERAL INFORMATION:

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

NATURE OF RESTRICTION: This product is to be used only in the manner authorized; consult local pesticide regulatory authorities about use permits which may be required.

NOTE: Consult federal and provincial forestry regulatory officials for specific recommendations regarding:

1. timing of application with regard to the development of the insect pest;
2. mixing and application of this product in your spray equipment.

RESTRICTED USES: SUMITHION provides control of the larval stages of spruce budworm, eastern hemlock looper, western hemlock looper, sawflies, cankerworm, jackpine budworm; and spruce budmoths infesting forests, wood lots, tree nurseries and Christmas tree plantations.

Apply as a low-volume or ultra-low volume spray or as an emulsion in sufficient water for good coverage. Make a single application of 280 g a.i./ha or 2 applications 4 to 6 days apart of 140-210 g a.i./ha. For hemlock looper, apply before the 4th instar. For jack pine budworm, apply between the 3rd and 6th instars. For sawflies or fall cankerworm, apply as soon as the larvae appear. For swaine jack pine sawfly, apply at the peak of emergence of the 2nd instar. For spruce budworm, apply as soon as insects are noted, and repeat about one week later, just before the peak of the 4th instar. When used as described for spruce budworms, spruce budmoths may also be controlled.

MIXING DIRECTIONS:

Do not mix this product with materials other than those listed below.

Final spray mixtures should be thoroughly agitated before use, and should not be allowed to stand for extended periods without adequate agitation to ensure homogeneous mixture.

AERIAL APPLICATIONS: Aerial applications require a spray pressure of 40 p.s.i. For applications using ultra low volume (ULV) spray equipment, mix appropriate amount of SUMITHION 50 EC with sufficient water to obtain a final application volume 1.42 L/ha.

For applications using ultra, ultra low volume (UULV) spray equipment, spray SUMITHION 50 EC undiluted at the desired rate. In this situation, application equipment must employ nozzles capable of providing the necessary atomization, and at a low flow rate through the nozzles (e.g. Micronaire AU 4000).

MIXING:

Add approximately one half of the required water volume to the

spray tank. Add recommended quantity of SUMITHION 50 EC and then the remainder of the water. Agitate well before and during spraying to ensure a uniform emulsion.

Federal or provincial forestry or regulatory officials may recommend inclusion of a water-soluble dye for purposes of monitoring spray deposit.

If tracer dye is used, this should be added after all other components have been thoroughly mixed.

PRECAUTIONS:

1. KEEP OUT OF REACH OF CHILDREN.
2. Do not take internally.
3. Avoid inhalation of vapour, dust, or spray mist and contact with eyes, skin or clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking.
5. Wear protective equipment and clothing, including goggles or face shield, approved respirator, gloves (rubber, PVC, neoprene or nitrile), hat, long-sleeved shirt, trousers and rubber boots.
6. If clothing becomes contaminated, remove and wash separate from household laundry before reuse.
7. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
8. Do not apply where runoff or erosion is likely to occur.
9. Do not apply when bees are present.
10. Clean spray equipment thoroughly after use.

WILDLIFE PRECAUTIONS: Undiluted product may be toxic to wildlife. Exercise caution in handling the contents of the container, and in disposing of the container to prevent exposure of wildlife to the undiluted product.

FIRST AID INSTRUCTIONS:

IF SWALLOWED, administer milk or water and INDUCE VOMITING by giving one dose (15 mL) of syrup of Ipecac. If vomiting does not

occur within 30 minutes, administer a second dose. If syrup of Ipecac is not available, induce vomiting by touching the back of the throat with finger. Repeat until vomiting fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person or to persons in a convulsive state.

IN CASE OF EYE CONTACT, flush immediately with flowing water for at least 15 minutes and consult a physician if irritation develops.

IN CASE OF SKIN CONTACT, wash with soap and water. Remove contaminated clothing and wash separate from household laundry before reuse. Consult a physician if irritation develops.

IF INHALED, remove person to fresh air. Assist breathing if necessary. Consult a physician immediately.

TOXICOLOGICAL INFORMATION: This product inhibits cholinesterase resulting in stimulation of the central nervous system. This may result in a sense of "tightness" in the chest, sweating, contracting pupils, stomach pains, vomiting and diarrhea. The antidote is Atropine Sulphate administered in large therapeutic doses repeated as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with Atropine.

Do not give Morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

STORAGE:

1. Store in original, tightly-closed container.
2. Do not ship or store near food, feed, seed or fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Herbicides should be shipped or stored separate from other pesticides to avoid cross-contamination.
5. Protect from freezing.
6. Keep away from heat, fire and sparks.

DISPOSAL:

1. Rinse the emptied container thoroughly and add the rinsings

to the spray mixture in the tank.

OR

Rinse empty drums with 25 L of water containing 1 kg of caustic soda (lye) and 300 mL of detergent. Dispose of rinse solution in accordance with local requirements. If any area of the exterior of the drum is wet with insecticide concentrate, decontaminate it as described above.

2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the regional office of Conservation and Protection, Environment Canada.

NOTICE TO BUYER: Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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