

86.09.24

MATACIL(R)

180 Flowable INSECTICIDE

Contains aminocarb

RESTRICTED

FOR USE IN FORESTS, WOODLOTS, TREE NURSERIES AND CHRISTMAS TREE PLANTATIONS FOLLOWING CONSULTATION WITH FEDERAL AND PROVINCIAL FORESTRY REGULATORY OFFICIALS AND IN ACCORDANCE WITH THEIR DIRECTIONS

GUARANTEE:

Aminocarb.....180 g/L

REGISTRATION NO. 17418
PEST CONTROL PRODUCTS ACT
EPA EST. 3125-MO-1

SPECIFIC GRAVITY: 0.912 AT 20°C

AGITATE WELL BEFORE USE

NET CONTENTS 200 LITRES

DANGER POISON

KEEP OUT OF REACH OF CHILDREN
(See rear panel for danger statements)

READ THE LABEL BEFORE USING

CHEMAGRO LIMITED
256 Britannia Road East
Mississauga, Ontario,
Canada L4Z 1S6

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.

RESTRICTED USES

NATURE OF RESTRICTION:

This product is to be used in the manner authorized; consult local pesticide regulatory authorities about Use permits which may be required. FOR USE ONLY IN FORESTRY FOLLOWING CONSULTATION WITH FEDERAL AND PROVINCIAL FORESTRY REGULATORY OFFICIALS AND IN ACCORDANCE WITH THEIR DIRECTIONS.

DIRECTIONS FOR USE

MATACIL 180 Flowable insecticide is effective for the control of larval stages of spruce budworm infesting coniferous trees. MATACIL 180 Flowable is suitable for use in aircraft equipment that is calibrated for low volume or ultra-low-volume spraying.

SPRUCE BUDWORM, Make no more than two applications of MATACIL 180 Flowable using 275 to 500 mL/ha in each application. Where two applications are made, there should be an interval of at least 5 days between applications, but under special local conditions such as rapid larval development, a 3 day interval may be considered by provincial regulatory authorities. MATACIL 180 Flowable insecticide may be applied undiluted, through the U.L.V. equipment such as Micronaire or Beekomist atomizers, or diluted depending on the application equipment used. If dilution is required, MATACIL 180 Flowable should be diluted, as necessary, to provide good coverage, with either a suitable diluent oil or with an emulsifier and water. If diluted, apply 0.75 to 2.5 L of total mixture per hectare per application.

The amount of diluent used may vary depending on factors such as insecticide dosage, aircraft speed, and atomization equipment.

As with all oil and water mixtures, an invert emulsion may result whenever the volume of oil in the tank-mix is equal to, or exceeds the volume of water. Therefore, it is recommended that the mixing procedures include safeguards to ensure the amount of concentrate in the tank is always less than the amount of water.

NOTE:

Consult your 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;
- (3) The inclusion of either an oil soluble or water soluble tracer dye for purposes of monitoring spray deposit.

LIMITATIONS:

Make no more than 2 applications per season per site.

MIXING:

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

WITH OIL - Pump the correct amount of a suitable diluent oil such as Insecticide Diluent 585 (contact Chemagro Limited for specifications) into a mixing tank equipped with a mechanical agitator or a recirculation system. Add the correct amount of MATACIL 180 Flowable. Agitate or circulate until the mixture is homogenous.

WITH WATER - Pump the correct amount of water into the mixing tank equipped with a mechanical agitator or a recirculation system. Add the proper amount of an approved emulsifier such as Atlox 3409F or Triton X-114. Atlox should make up 1.25% by volume of the spray mixture or Triton X-114 should make up 3% by volume of the spray mixture. Mix with minimum amount of agitation. Add the correct amount of MATACIL 180 Flowable and agitate or recirculate until the mixture is homogenous.

If you wish to use Triton X-114 instead of Atlox 3409F as an emulsifier in a water emulsion on a limited trial basis, consult Chemagro Ltd. and federal and provincial forestry regulatory officials for specific written recommendations.

If the diluted mixture with oil or water is not used soon after mixing, agitate or recirculate the solution before pumping into the aircraft spray tank.

NOTE:

Federal or provincial forestry or regulatory officials may recommend the inclusion of either an oil soluble or water soluble tracer dye for purposes of monitoring spray deposit.

DECONTAMINATION OF EMPTY CONTAINERS

Empty containers may still contain a small quantity of product on both interior and exterior surfaces. The procedures outlined below should be followed to decontaminate empty containers:

1. Rinse the empty drum thoroughly three consecutive times with 25 litres of operational spray diluent oil. Incorporate all the retained rinsings in batches of dilute spray for aerial application.

or

2. Rinse empty drums once with 25 litres of operational spray diluent oil and once with 25 litres of water containing 1 kg of caustic soda (lye) and 250 mL of detergent. Bury rinse solution at least 50 cm deep in an isolated area away from water supply.

NOTE: Lye is dangerous to handle. Exercise due care in its use.

3. If any area of the exterior of the drum is wet with insecticide concentrate, decontaminate it as described above in either 1 or 2.

DISPOSAL OF DECONTAMINATED CONTAINERS

Drums that have been decontaminated, as outlined above, are suitable for commercial reconditioning or consignment at either above ground or landfill disposal sites. If drums are destined for disposal sites, they should be made unusable by puncturing to prevent re-use.

Do not use container in any connection with feed, food, or drinking water.

SAFETY PRECAUTIONS DANGER

It is necessary to distinguish between the higher order of operator exposure to the undiluted product prior to spraying, and the much lower exposure of third parties or bystanders to the spray resulting from drift during spraying operations. Precautionary measures relevant to the undiluted product and operational personnel who are likely to be exposed to it during handling and loading are outlined under the heading PRODUCT PRECAUTIONS. Although bystanders should be encouraged to avoid direct exposure to the spray mist, accidental exposure to the spray material applied under conditions specified on this label will not pose an undue risk.

PRODUCT PRECAUTIONS

This product may be fatal if swallowed, inhaled, or absorbed through the skin. Avoid contact with eyes or skin. Do not breathe vapors. Persons involved in pumping undiluted product from drums and the mixing-loading process are cautioned to wear

proper protective clothing such as rubber boots, rubber suits or aprons, rubber gloves, a respirator, goggles, and a cap or hat. If spilled on skin, wash immediately with soap and water. If clothing becomes contaminated, remove it and wash clothing before re-use. Persons in contact with product are cautioned to wash hands, arms, and face frequently with soap and water throughout the operation and certainly before eating or smoking. Keep product out of reach of children. Do not contaminate food or feed. Keep unauthorized and unprotected persons out of loading and mixing zones.

FIRST AID:

In case of poisoning, call a physician immediately. Have patient lie down and keep quiet. If swallowed, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (15 mL) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. The patient should be lying down with the head below the foot level and facing down or to one side. Professional medical assistance should be secured immediately. DO NOT INDUCE VOMITING TO AN UNCONSCIOUS PERSON OR TO PERSONS IN A CONVULSIVE STATE. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash immediately with flowing water for at least 15 minutes.

TOXICOLOGICAL INFORMATION:

Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. This results in a sense of "tightness" in the chest. Sweating. Contracted pupils. Stomach pains. Vomiting and diarrhea. 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. ANTIDOTE: Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance.

WILDLIFE PRECAUTIONS

Quantities of undiluted product remaining in drums at disposal, 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.

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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