

ACCEPTED
OCT 5 1987
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No.

SEVIN® brand 4-Oil 41A
Carbaryl Insecticide

ACTIVE INGREDIENT:

Carbaryl (1-naphthyl N-methylcarbamate) 38.3% by wt.

INERT INGREDIENT: 61.7% by wt.

This product contains petroleum distillates
(Contains 3.2 pounds carbaryl per gallon)

E.P.A. Reg. No. 264-427

E.P.A. Est. No. 264-MO-01

KEEP OUT OF REACH OF CHILDREN

CAUTION

See page 2 for additional PRECAUTIONARY STATEMENTS.

IN CASE OF AN EMERGENCY, TELEPHONE (24 HOURS A DAY) IN THE U.S.A.

1-800-UCC-HELP.

FOR GENERAL INFORMATION CALL 1-800-334-9745.

NET CONTENTS: _____

Made in U.S.A.

UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.
P. O. Box 12014, T. W. Alexander Drive
Research Triangle Park, N. C. 27709

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APC Form No. _____

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

MAY BE HARMFUL IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH THE SKIN. MAY CAUSE SKIN IRRITATION. OVEREXPOSURE MAY CAUSE: Salivation, watery eyes, pinpoint eye pupils, blurred vision, muscle tremors, difficult breathing, excessive sweating, abdominal cramps, nausea, vomiting, diarrhea, weakness, headache. IN SEVERE CASES CONVULSION, UNCONSCIOUSNESS AND RESPIRATORY FAILURE MAY OCCUR. SIGNS AND SYMPTOMS OCCUR RAPIDLY FOLLOWING OVEREXPOSURE TO THIS PRODUCT.

Avoid breathing spray mist. Do not take internally. Avoid contact with eyes, skin or clothing. Wear regular long-sleeved work clothing and head covering when making overhead applications. Change to clean clothing daily. Bathe and wash hair after each work day. Do not eat, drink or use tobacco while working with this product or spray solutions. Wash hands and face before eating, drinking or using tobacco. Keep out of reach of children and domestic animals.

ANTIDOTE STATEMENT

ATROPINE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE. Narcotics and other sedatives should not be used. Further, drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended. See NOTE TO PHYSICIAN below.

STATEMENT OF PRACTICAL TREATMENT

GENERAL

Contact a physician immediately in all cases of suspected poisoning. Transport to a physician or hospital immediately and SHOW A COPY OF THIS LABEL TO THE PHYSICIAN. If poisoning is suspected in animals, contact a veterinarian.

IF SWALLOWED: If patient is conscious and alert, give 2-3 glasses of water or milk to drink. If available, give one tablespoon of Syrup of Ipecac to induce vomiting. Alternatively, induce vomiting by touching back of throat with finger. Do not repeat the Syrup of Ipecac. Do not make an unconscious person vomit. GET MEDICAL ATTENTION.

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Get medical attention if irritation persists.

IF ON SKIN: Wash thoroughly with soap and water.

IF INHALED: Remove to fresh air. If not breathing, give artificial respiration. Administer oxygen if necessary. GET MEDICAL ATTENTION.

NOTE TO PHYSICIAN

Carbaryl is a carbamate insecticide, which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to stimulation of the cholinergic nervous system. These effects of overexposure are spontaneously and rapidly reversible. Gastric lavage may be used if this product has been swallowed. Carbaryl poisoning may occur rapidly after ingestion and prompt removal of stomach contents is indicated.

Specific treatment consists of parenteral atropine sulfate. Caution should be maintained to prevent overatropinization. Mild cases may be given 1 to 2 mg intramuscularly every 10 minutes until full atropinization has been achieved and repeated thereafter whenever symptoms reappear. Severe cases should be given 2 to 4 mg intravenously every 10 minutes until fully atropinized, then intramuscularly every 30 to 60 minutes as needed to maintain the effect for at least 12 hours. Dosages for children should be appropriately reduced. Complete recovery from overexposure is to be expected within 24 hours.

Narcotics and other sedatives should not be used. Further, drugs like 2-PAM (pyridine-2-aldoxime methiodide) are NOT recommended.

To aid in confirmation of a diagnosis, urine samples should be obtained within 24 hours of exposure and immediately frozen.

Consultation on diagnosis, therapy and analysis can be obtained at all hours by calling the Union Carbide emergency number 1-800-UCC-HELP.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to aquatic and estuarine invertebrates. Do not apply directly to water and wetlands, except under the forest canopy. Do not apply when weather conditions favor drift from area treated. Do not contaminate water by cleaning equipment or disposal of wastes.

BEE CAUTION: MAY KILL HONEYBEES IN SUBSTANTIAL NUMBERS.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops and weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Contact your Cooperative Agricultural Extension Service or your local Union Carbide Agricultural Products Company, Inc. representative for further information.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

GENERAL INFORMATION

SEVIN® brand 4-OIL 41A Carbaryl Insecticide is a pre-diluted product containing a finely ground dispersion of SEVIN® Carbaryl Insecticide in non-aromatic, low volatile oils. It is designed for air application as a low volume or ultra low volume spray. READ THIS LABEL BEFORE USE. USE IN STRICT ACCORDANCE WITH DIRECTIONS AND CAUTIONS.

PREHARVEST AND GRAZING USE INFORMATION AND LIMITATIONS

Tolerances established under the Federal Food, Drug and Cosmetic Act permit the sale of crops bearing probable carbaryl residues when this product is used in accordance with label directions. If used as directed, treated forage may be grazed or used as feed for dairy and meat animals without causing illegal residues in meat or milk. This product may be applied up to and including the day of harvest or grazing of forage crops.

Do not plant rotational food and feed crops not listed on this or other carbaryl labels in carbaryl treated soil.

Do not use reclaimed irrigation water from crops treated with carbaryl on upland crops for which carbaryl tolerances are not established.

PLANT RESPONSE PRECAUTION

To avoid possible injury to tender foliage, do not apply to wet foliage or when rain or high humidity is expected during the next two days.

SPRAY PREPARATION

Recirculate SEVIN® brand 4-OIL 41A Carbaryl Insecticide completely, once every 24 hours during storage and during or before use to maintain homogeneity. SEVIN® brand 4-OIL 41A Carbaryl Insecticide may be held prior to use and transferred in any materials of constructions suitable for use with fuel oil, kerosene or diesel oil. Protect from water.

Before and after use, flush tanks, pumps, lines, hoses and entire spray systems with diesel fuel, kerosene or #2 fuel oil until clean. Water, scale, rust and other residues must be removed from pumps, mixing and spray systems before use.

COMPATIBILITY

"SEVIN®" BRAND 4-OIL 41A CARBARYL INSECTICIDE IS NOT COMPATIBLE WITH AND SHOULD NOT BE CONTAMINATED WITH WATER, ALCOHOL OR AROMATIC SOLVENTS. Compatibility with other pesticides has not been thoroughly tested. DO NOT USE IN TANK MIX COMBINATIONS UNLESS YOUR EXPERIENCE INDICATES THAT THE MIXTURE IS EFFECTIVE AND WILL NOT RESULT IN PLANT INJURY OR MECHANICAL DIFFICULTY.

APPLICATION

On all crops use sufficient gallonage to obtain thorough and uniform coverage. Carefully calibrate equipment to deliver the desired spray volume. Flat fan nozzles may be used to apply SEVIN® brand 4-OIL 41A Carbaryl Insecticide. Rotary atomizing and hollow cone nozzles can be used if the SEVIN® brand 4-OIL 41A Carbaryl Insecticide is diluted at the ratio of 5 volumes of SEVIN® brand 4-OIL 41A Carbaryl Insecticide with 3 volumes of fuel oil, kerosene or diesel oil.

Apply only when weather conditions are favorable. Wind and rising air currents may cause undesirable spray drift and reduce insect control.

INSECT CONTROL

Apply when insects or their damage appear. To maintain control repeat at 7 to 14 day intervals or as necessary unless a shorter interval is specified below. Where a dosage range is indicated, use lower rate on young plants and early instars and higher rates on mature plants, advanced instars and adults. Thorough and uniform spray coverage is essential for effective control. Follow directions for most effective use. DOSAGES LISTED REFER TO VOLUME OF "SEVIN®" BRAND 4-OIL 41A CARBARYL INSECTICIDE PER ACRE.

SEVIN® brand 4-Oil 41A Carbaryl Insecticide does not control spider mites. If spider mites are a problem, use a registered miticide.

ALFALFA AND CLOVERS INSECT CONTROL

For grasshoppers: Apply 20 to 60 ounces of this product per acre. To avoid possible injury to tender alfalfa foliage, do not apply to wet foliage or when rain or high humidity is expected during the next two days.

Do not apply to alfalfa within 7 days of harvest.

Apply only once per cutting.

PASTURE INSECT CONTROL

For grasshoppers, range caterpillars, black grass bugs: Apply 20 to 60 ounces of this product per acre. Use the lower rate for nymphs or immature insects on small plants or sparse vegetation. Apply the higher rate for adults or when vegetation is thick.

Apply a maximum of 2 applications per year. Allow at least 14 days between applications. Do not allow foraging or cut for hay within 14 days of last application by ground. Aerially treated pastures may be grazed or cut for hay on day of treatment.

Carefully mark swaths to avoid over-application.

RANGELAND INSECT CONTROL (for Aerial Application Only)

For grasshoppers, range caterpillars, black grass bugs: Apply 20 to 30 ounces of this product per acre. Use the lower rate for nymphs or immature insects on small plants or sparse vegetation. Apply the higher rate for adults or when vegetation is thick.

Apply a maximum of 2 applications per year. Allow at least 14 days between applications.

Carefully mark swaths to avoid over-application.

WASTELAND/RIGHTS-OF-WAY/HEDGEROWS/DITCH BANKS/ROADSIDES INSECT CONTROL

For grasshoppers, range caterpillars, black grass bugs: Apply 20 to 40 ounces of this product per acre. Use the lower rate for nymphs or immature insects on small plants or sparse vegetation. Apply the higher rate for adults or when vegetation is thick.

Apply a maximum of 2 applications per year. Allow at least 14 days between applications. Do not apply allow foraging or cut for hay within 14 days of last application by ground. Aerially treated areas may be grazed or cut for hay on day of treatment.

Carefully mark swaths to avoid over-application..

WHEAT INSECT CONTROL (Do Not Use In California)

For grasshoppers: Apply 20 to 60 ounces of this product per acre. Do not make more than 2 applications after grain heads emerge from boot. Do not apply within 21 days of harvest of grain. There is no time limitation on green wheat used as pasture or forage.

STORAGE AND DISPOSAL

STORAGE

Store unused SEVIN® brand 4-OIL 41A Carbaryl Insecticide in original container only, in cool, dry area out of reach of children and animals. Do not store in areas where temperatures frequently exceed 100°F.

PESTICIDE DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Decontaminate empty bulk tanks by rinsing with kerosene or #2 fuel oil. Rinses may be drained into a mixing or spray tank. Bulk tanks should be washed with a detergent and hot water.

Consult Federal, State or Local disposal authorities for approved alternative procedures.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES, NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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