

ACCEPTED
JUL 27 1979
 Under the Federal Insecticide, Fungicide, and Plant Growth Regulator Act, as amended and the pesticide registration act of 1972, Reg. No. 677-204

Precautionary Statements

Hazards to Humans and Domestic Animals

Caution

- Harmful if swallowed
- Avoid contact with skin
- Wash hands after using
- Avoid contact with eyes
- In case of contact flush eyes with plenty of water
- Avoid breathing spray mist
- Keep children and domestic animals off treated areas until this material has been washed into the soil

Environmental Hazards

- Do not feed treated foliage to livestock or graze treated areas
- Do not spray or allow drift onto vegetables, ornamentals or other desirable plants. Do not apply when weather conditions favor drift from target area
- Keep out of lakes, streams, or ponds
- Do not contaminate water by cleaning of equipment or disposal of wastes

Arsonate Liquid

Read entire label before using this product

General Information

Arsonate Liquid is a postemergence herbicide for use in cotton, turf and non-crop areas. Arsonate Liquid does not contain a surfactant (wetting agent). A suitable non-ionic surfactant should be added to spray tank. Local conditions and recommendations vary. Consult local agricultural experiment station or extension service weed specialists for recommendations in your area.

Net Contents 1 Gallon/3.78 Liters



Diamond Shamrock

SPECIMEN LABEL

**Arsonate
Liquid**

**For Postemergence
Weed Control**

Product Contains 6.6 Pounds MSMA Per Gallon	
Active Ingredient: Monosodium Acid Methanearsonate	51.0%
Inert Ingredients:	49.0%
Total	100.0%
Total Arsenic, all in water-soluble form, expressed as elemental	23.61%

CAUTION: Keep Out Of Reach Of Children
 See side panel for additional precautionary statements

Diamond Shamrock Corporation
 Agricultural Chemicals Division
 Cleveland, Ohio 44111

EPA Reg No 677-204-AA

Handwritten notes: 677-204-16, Pg. 1 of 2, 472

Mixing Instructions: Arsonate Liquid must be diluted with water and sprayed with Agitation Equipment and 1/2 gallon of water and 1/2 gallon of surfactant per 5 gallons of water. Add amount of Arsonate Liquid to the tank before filling the tank with the balance of water. Add surfactant and mix thoroughly before using.

Do not store spray in the tank overnight. Clean application equipment thoroughly after use by flushing with water to a safe place.

Application Methods: Arsonate Liquid should be applied with a water spray pump or battery operated sprayer having a satisfactory pump and pressure action. **Adjust Nozzles to Keep Spray Off Cotton Foliage and in a Manner to Allow Maximum Coverage of Weeds.** Adjust spray nozzle to spray upward to reduce the wind drift.

Apply to the weeds when they are in the early stage of growth.

Directions for Use

It is a violation of Federal law to use this product in a manner not specified on the label.

Cotton: Arsonate Liquid is effective as a directed postemergence spray for controlling weeds in cotton such as barnyardgrass, chickweed, smooth and large crabgrass, dallisgrass, nutsedge, sandbur and wood sorrel. Apply as a **Directed Broadcast** spray at rate of 2 1/2 gallons per acre of a suitable surfactant plus 1/2 gallon of Arsonate Liquid plus 1/2 quart of suitable surfactant in 50 gallons of water when weeds are in the early stage of growth. Apply to the weeds at the rate of 2 1/2 gallons per acre of a suitable surfactant plus 1/2 quart of Arsonate Liquid plus 1/2 quart of suitable surfactant in 50 gallons of water when weeds are in the early stage of growth. Repeat application may be necessary if regrowth occurs.

Apply Only When Cotton is 3 Inches High to First Bloom. Do Not Apply After First Bloom.

Slight burning and reddish discoloration of cotton foliage may occasionally be seen following recommended treatment; however, cotton plants will develop normally and yield will not be affected.

Ornamental Turfgrass: Arsonate Liquid can be used for selective control of Bahiagrass, barnyardgrass, chickweed, smooth and large crabgrass, dallisgrass, nutsedge, sandbur and wood sorrel with little or no injury to well-established actively growing turfgrasses. Mow turfgrass to height of 1 to 1 1/2 inches before treatment. Mix 1 fluid ounce (2 tablespoons) of Arsonate Liquid plus 2 to 3 fluid ounces of suitable surfactant in 5 gallons of water for application to an area of 1,000 square feet. Application should be uniform and thorough to adequately wet all undesirable plants. Two or more repeat treatments at 14 day intervals may be necessary. Make applications during warm weather when temperature is between 80 and 90 F. **Do not water turf** for at least 24 hours after application. Turfgrasses may be temporarily discolored. Bermudagrass, bluegrasses and Zoysiagrass have shown tolerance to properly applied Arsonate Liquid. Injury may result if applied to bentgrasses and fescues. **Do not** apply to St. Augustinegrass, carpetgrass, centipedegrass or to Dichondra. **Do not** reseed until 2 weeks after last application.

Non-Crop: Arsonate Liquid is effective in controlling barnyardgrass, cocklebur, smooth and large crabgrass, dallisgrass, goosegrass, johnsongrass, nutsedge and many similar weeds on drainage ditchbanks, fence rows, rights of way, storage yards and similar non-crop areas. Application should be made when weeds are small and conditions are favorable for good weed growth. Mix at a rate of 3 pints of Arsonate Liquid plus 1 to 2 quarts of suitable surfactant in 50 gallons of water. Spray undesirable vegetation thoroughly to point of run-off. Adequate coverage and complete wetting of foliage is important for effective control. Repeat application may be necessary if regrowth occurs.

Storage and Disposal

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

Disposal - Do not reuse empty container. Pesticide spray mixture or residue that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Triple rinse (or equivalent) container and dispose of in an incinerator or landfill approved for pesticide containers or bury in a safe place. Open dumping is prohibited.

Consult federal, state, or local disposal authorities for approved alternative procedures.

Warranty and Limitation of Damages

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and **Buyer** assumes the risk of any use contrary to such directions. **Seller** makes no other express or implied warranty, including any other express or implied warranty of **Fitness** or of **Merchantability**, and no agent of **Seller** is authorized to do so except in writing with a specific reference to this warranty. In no event shall **Seller's** liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.