

# MSMA-8

**MSMA liquid**  
**FOR SELECTIVE POST-EMERGENT WEED CONTROL**

9779-179  
**ACCEPTED**  
6/6/72  
UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND ROENTICIDE ACT  
FOR ECONOMIC POISON REGISTERED  
ED UNDER NO. 9779-179  
FOR WEED CONTROL

*see sheet*

## CAUTION: KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. Avoid contact with skin. Avoid breathing spray mist. Wash hands after using. Do not store near feed or food products. Keep children and domestic animals off treated areas until this material has been washed into the soil.

ANTIDOTE: If taken internally induce vomiting and call a physician at once.

**READ ENTIRE LABEL BEFORE USING THIS PRODUCT:** Use of this product in a manner not in accordance with the information on this label may injure or kill humans, domestic animals, wildlife, aquatic life, desirable plants, create excessive and unlawful chemical residues, or produce other undesirable results.

### GENERAL INFORMATION

MSMA-8 is an herbicide useful for selective post-emergent weed control, particularly for grassy weeds. IT IS NECESSARY TO ADD SURFACTANT TO THE SPRAY SOLUTION. Best results are obtained on young, actively growing weeds at air temperatures above 70 F.

### DIRECTIONS FOR USE

**COTTON:** MSMA-8 is useful as a directed application in cotton for post-emergent control of weeds and grasses such as Johnsongrass, nutsedge, Dallisgrass, cocklebur, barnyardgrass, ragweed, sandbur and puncturevine.

Add 5 pints of MSMA-8 plus 1 to 2 quarts of a suitable surfactant to 100 gallons of water and mix thoroughly. Apply spray solution at 40 gallons per acre. Weed control is most effective at temperatures above 70 F. For band application in 40 inch rows, apply 1 gallon of spray solution per inch of band width per acre. Direct the spray solution to the base of the cotton plant. Nozzles should be placed so as to avoid spraying the cotton foliage. A second application may be required during humid growing conditions to control perennials such as Johnsongrass and nutsedge. Apply the second application 1 to 3 weeks later.

Slight burning and a reddish discoloration of the cotton leaf may occasionally occur following the recommended treatment, but the cotton plant will develop normally.

APPLY ONLY WHEN COTTON IS 3 INCHES HIGH TO FIRST BLOOM. DO NOT APPLY AFTER FIRST BLOOM. DO NOT FEED TREATED FOLIAGE TO LIVESTOCK OR GRAZE TREATED AREA.

**NON-CRCP:** MSMA-8 is useful for controlling Johnsongrass, nutsedge, watergrass and similar weeds in drainage ditchbanks, rights of way, storage yards, and similar non-crop areas.

Mix MSMA-8 at a rate of 2 to 5 pints plus 1 to 2 quarts of a suitable surfactant per 100 gallons of water. Apply the spray solution to the weeds thoroughly. Use a spray nozzle that will spray the weeds thoroughly. Do not spray on a windy day.

**LAWN AND ORNAMENTAL TURF:** MSMA-8 is useful for control of Dallisgrass, sandbur, bahiagrass, nutsedge, barnyardgrass, chickweed and wood sorrel with little or no injury to good lawn grasses. On new lawns, do not treat until after three mowings. Good grasses may be temporarily discolored. Zoysia, bluegrasses, and bermuda are quite tolerant. Do not use on St. Augustine or centipede.

Mow lawns 1 to 1 1/2 inches high before treatment. Mix 2 tablespoons of MSMA-8 plus 1 tablespoon of a suitable surfactant in 5 gallons of water and apply to an area of 1,000 square feet. Spray thoroughly to wet all undesirable plants. Repeat applications, 10 to 14 days apart, may be needed for good control.

### MIXING INSTRUCTIONS:

MSMA-8 must be thoroughly dissolved. Fill the spray equipment reservoir about half full with water and add the required amount of MSMA-8 and surfactant with agitation. Finish filling the reservoir with water and apply. After use, clean equipment thoroughly by flushing with water. Do not store spray solution in tank for a prolonged period.

DO NOT CONTAMINATE WATERS USED FOR DOMESTIC CONSUMPTION OR BY ANIMALS, WILDLIFE AND AQUATIC LIFE, OR WATER FOR IRRIGATION PURPOSES.

### CONTAINER DISPOSAL:

Do not reuse empty container. Wash thoroughly with water and detergent, crush if possible, and discard in a safe place.

### NOTICE:

Riverside Chemical Company warrants that the product 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, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Riverside Chemical Company, and buyer assumes the risk of any such use.

EPA REG NO 9779-179

NET CONTENTS



MANUFACTURED BY

**RIVERSIDE CHEMICAL CO.**

CIVIL ENGINEERING DEPARTMENT, UNIVERSITY OF CALIFORNIA, RIVERSIDE, CALIF. 92521

1000 W. Market Street, Suite 100, Riverside, California 92504

6840-281-2030

# INSECTICIDE, SODIUM ARSENITE CONCENTRATE

(Contains approx. 6 lb.  $As_2O_3$  per gal.)  
**Active ingredients**      **Percent by weight**  
**Sodium arsenite**            **53.86**  
**Inert ingredients**            **46.14**  
Total arsenic calculated as elemental, all in water  
soluble form 31.05 percent. Contains the equiv-  
alent of 41 percent of arsenic trioxide.

**FEDERAL SPECIFICATION**    **O-1-579 & Am 1**  
**30 GALS.**

Sold by  
**YUKON SERVICE CO.**  
**NEW YORK, N. Y.**

**CONTRACT — TC-GS-07S-12351**

**PURCHASE ORDER NUMBER — F      -O-TC**

**GROSS WEIGHT      LBS.**

**DATE OF PACK:**

**LOT NUMBER — 545**

 **POISON** 

ANTIDOTE: Give a tablespoon of salt in a glass of warm water and repeat until vomit fluid is clear. Then give two tablespoonfuls of Epsom Salt or Milk of Magnesia in water and plenty of milk and water. Have victim lie down and keep quiet. Call a physician immediately!

**DANGER!**  
**KEEP OUT OF REACH**  
**OF CHILDREN**

**WARNING:** Avoid contact with skin, eyes, or clothing. Wash thoroughly after using. Avoid breathing dust or spray mist. Keep livestock off treated areas. Poisonous if swallowed. Keep children and animals off treated areas until washed into the soil. **KEEP OUT OF REACH OF CHILDREN.**

This product will kill fish and wildlife. Keep out of Ponds, Lakes, and Streams.

## DIRECTIONS FOR USE

For use as a soil poison for termite control in areas where plant life is not desirable. May also be used as soil sterilant. Toxic to all forms of plant and animal life. **FOR ALL APPLICATIONS,** carefully pour two parts of concentrate into fifteen parts of water to make a solution containing 10 percent sodium arsenite by weight. When used as a soil poison (in trenches), apply 2 gallons of diluted solution per 5 linear feet of trench up to 15 inches deep and 5 gallons per 5 linear feet of trenches over 15 inches deep and up to 30 inches deep.

Pour half the specified quantity into the bottom of the trench and use the remaining half for treating the soil that is replaced into the trench. (Trenches may be dug up to 30 inches around buildings with deep foundations, but in no event should they be deeper than the top of the footings.) As a soil sterilant, apply 1 to 3 gallons of the diluted solution per 1000 square feet of soil. Amount is dependent upon soil and rainfall.

**DO NOT USE OR STORE IN OR AROUND ANY DWELLINGS.**

**DO NOT ALLOW DOMESTIC ANIMALS TO GRAZE TREATED AREAS.**

**DO NOT REUSE EMPTY DRUM. RETURN TO DRUM RECONDITIONER OR DESTROY BY PERFORATING OR CRUSHING AND BURYING IN A SAFE PLACE.**

U.S.D.A. Reg. No. 9791-4

9791-4  
**ACCEPTED**  
Dec 9, 1957