

VERTAC

MESAMATE H.C.

MSMA LIQUID HERBICIDE. FOR SELECTIVE POSTEMERGENT WEED CONTROL

ACTIVE INGREDIENTS: Monosodium acid methanearsonate 59.0%

INERT INGREDIENTS: 41.0%

Total 100.0%

Total Arsenic (as elemental) all in water soluble form 27.3%

(Contains 8.0 lbs. MSMA per gallon at 58°F.)

Use when temperature is at least 70°F.

KEEP OUT OF REACH OF CHILDREN

#### CAUTION

If Swallowed: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not give anything by mouth to an unconscious person. Get medical attention.

If On Skin: Wash contaminated areas thoroughly with soap and water. Do not reuse contaminated clothing until washed. Get medical attention if irritation develops.

If In Eyes: Flush with copious amounts of clean water for 10-15 minutes. Get medical attention.

See side panel for additional precautionary statements.

EPA REGISTRATION NO. 39511-99

EPA ESTABLISHMENT NO. 39511-MS-1

NET CONTENTS 2.5 GALLONS/9.46 LITERS

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VERTAC CHEMICAL CORPORATION  
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FOR CHEMICAL SPILL, LEAK, FIRE, OR EXPOSURE  
CALL TOLL FREE: 1-800-429-9300

AGRICULTURAL CHEMICAL

DO NOT SHIP OR STORE WITH FOOD, FEEDS, DRUGS, OR CLOTHING.

(SIDE PANEL)

## PRECAUTIONARY STATEMENTS

### CAUTION

HAZARDS TO HUMANS

AND

DOMESTIC ANIMALS

Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin, eyes, and clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation occurs. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not contaminate water used by wildlife or aquatic life or water used for domestic or irrigation purposes.

### DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Wear protective clothing when handling or applying this product including long pants, long-sleeve shirt, and impermeable gloves and boots. Mixer-loaders should include an apron and full-face shield when handling or mixing concentrate. Flagmen should be fully protected during spray operations or mechanical flagmen used. Pilots and ground spray rig applicators should wear a mask or respirator approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health.

Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Workers should not enter treated fields without protective clothing until sprays have dried. Protective clothing must include hat, long-sleeve shirt, long-legged pants, impermeable boots, and gloves.

In case of accidental exposure, immediately go to an area where all contaminated clothing can be removed, including shoes. Wash all exposed areas with soap and water. Do not reuse contaminated clothing until washed.

When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

Caution! Area treated with MSMA. Do not enter without appropriate protective clothing until spray dries.

In the event of accidental exposure, immediately go to an area where all contaminated clothing, including shoes, can be removed. Thoroughly wash all exposed areas, including hair, with soap and water. Do not reuse contaminated clothing until washed.

#### STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not store this product near fertilizers, seeds, insecticides, or fungicides. Do not store near heat or open flame. Freezing point of this product is approximately 30°F. If stored below freezing, warm to 50°F and agitate thoroughly before using. Containers should not be stacked more than four high. Reclose all partially used containers by thoroughly tightening screw cap. Damaged or leaking containers which cannot be used immediately should be transferred to suitable sound containers and properly marked. Absorb any spills with a suitable clay absorbant and dispose of as indicated under "Pesticide Disposal".

For safety and prevention of unauthorized use, all pesticides should be stored in locked facilities.

To prevent accidental misuse, different pesticides should be stored in separate areas with enough distance between to provide clear identification.

Opened, partially used pesticides should be stored in original labeled containers when possible. When transfer to another container is necessary because of leakage or damage, carefully mark and identify contents of the new container.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency or the hazardous waste representative at the nearest EPA regional office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent), adding rinsate to spray tank. Offer rinsed container for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration if permitted by state and local authorities. If burned, stay out of smoke.

GENERAL INFORMATION: MESAMATE H.C. Herbicide is useful for selective postemergent weed control, particularly for grassy weeds in cotton, lawn and ornamental turf, and non-crop areas. Its phytotoxic properties are quickly inactivated on contact with soil. Its activity is enhanced by addition of suitable surfactant, cleared for application to growing crops, to the spray solution. Best results are obtained on young actively growing weeds at air temperature above 70°F.

MESAMATE H.C. Herbicide applied properly will kill or control noxious weeds susceptible to MSMA such as:

Bahiagrass	Johnsongrass
Barnyardgrass	Nutgrass
Brachiaria Spp.	Nut sedge
Chickweed	Pigweed ✓
Cocklebur	Puncturevine
Crabgrass (smooth and large)	Sandbur
Dallisgrass	Watergrass
Foxtail (green and yellow)	Wood Sorrell
Goosegrass	

MIXING INSTRUCTIONS: MESAMATE H.C. Herbicide must be thoroughly mixed. Fill the spray equipment reservoir about half full with water and add the required amount of herbicide and surfactant with agitation. Finish filling the reservoir with water, agitate, then apply. After use, clean equipment thoroughly by flushing with water. Do not store spray solution in tank for a prolonged period. ✓

#### DIRECTIONS FOR USE IN COTTON

MESAMATE H.C. Herbicide is useful for control of emerged weeds and grasses such as those listed under GENERAL INFORMATION and many similar weeds in cotton. A suitable agricultural surfactant, cleared for application to growing crops, should be added to the MESAMATE H.C. solution. ✓

POSTEMERGENT-DIRECTED: Mix MESAMATE H.C. Herbicide at a rate of 1 quart product plus 1 pint of a suitable agricultural surfactant, cleared for application to growing crops, in 40 gallons of water for application as a directed broadcast spray to 1 acre when weeds are small. For band applications in 40-inch rows, apply 1 gallon of spray solution per inch of band width per acre. 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. Keep spray off cotton foliage. Apply only when cotton is 3 inches high to first bloom. Do not apply after first bloom. Nozzles should be adjusted to direct spray to weeds to allow maximum coverage of weeds with no contact to cotton foliage. ✓

#### For Postemergent-Directed Banded Applications:

Band Size	Amount of MESAMATE H.C. Per Acre	Surfactant Per Acre	Gallons of water Per acre
12"	10 oz.	1/2 pint	12 ✓
14"	11 1/2 oz.	1/2 pint	14

Off-center fan type nozzles, 100-mesh screen, approximately 5 inches from the ground with 25-pound pressure may be used. Do not apply after first bloom. ✓

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

Do not apply when conditions favor drift from areas being treated as injury to non-target areas or adjacent crops may result. Do not feed treated foliage to livestock nor graze treated areas.

LAWN AND ORNAMENTAL TURFGRASS: MESAMATE H.C. Herbicide is useful for control of emerged weeds and grasses such as those listed under GENERAL INFORMATION and many similar weeds with little or no injury to good grass lawns. On new lawns, do not treat until after three (3) mowings. Good grasses may be temporarily discolored. Zoysia, Bluegrass, and Bermuda are quite tolerant. Injury may result if applied to Bentgrass and Fescue. Do not apply to St. Augustine, Carpetgrass, Centipedegrass, or to Dichondra.

Mow turfgrass 1 to 1 1/2 inches high before treatment. Mix 1 fluid ounce (2 tablespoons) of MESAMATE H.C. Herbicide and 1/2 fluid ounce of a suitable surfactant, cleared for application to growing crops, in 2 1/2 gallons of water and apply to 1,000 square foot area. Spray thoroughly to wet all undesirable plants. Repeat applications, 10 to 14 days apart, may be needed for good control. Applications should be made during warm weather (between 80°F to 90°F). Do not water turf for at least 24 hours after applications. Do not apply with hose-end applicators.

Do not reseed until two weeks after last application.

Keep children and domestic animals off treated areas until this material has washed into the soil.

NON-CROP USE: MESAMATE H.C. Herbicide is useful for control of emerged weeds and grasses such as those listed under GENERAL INFORMATION and many similar weeds on drainage ditchbanks, fence rows, rights-of-ways, storage yards, and similar non-crop areas. Applications should be made when weeds are small and conditions are favorable for good weed growth.

Mix MESAMATE H.C. at a rate of 4 1/2 to 9 pints of product plus 1 to 2 quarts of a suitable surfactant, cleared for application to growing crops, in 100 gallons of water. Spray unwanted vegetation thoroughly at a rate of about 50 gallons of spray solution per acre. Use spray equipment that gives good low volume coverage. If regrowth occurs, reapply as required.

Do not feed treated foliage to livestock nor graze treated areas.

Notice: Seller warrants 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 or any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions or under abnormal conditions or conditions not reasonably foreseeable to seller. The buyer assumes the risk of any such use.