

19713-531

05/13/2004

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ACCEPTED

in EPA Letter Dated

MAY 13 2004

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

19713-531

Drexel

MSMA 660

Herbicide

MSMA liquid herbicide for selective postemergent weed control.

ACTIVE INGREDIENT:

Monosodium acid methanearsonate 51.3%

OTHER INGREDIENTS: 48.7%

TOTAL: 100.0%

Total Arsenic (as elemental) all in water soluble form is 23.7%. (Contains 6.6 lbs. MSMA per gallon at 68°F.)

KEEP OUT OF REACH OF CHILDREN

CAUTION

See FIRST AID Below
SHAKE WELL BEFORE USING

EPA Reg. No. 19713-531
EPA Est. No. 19713-MS-1

Net Contents:

FIRST AID

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious or convulsing person.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Avoid contact with skin, eyes and clothing. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Applicators and other handlers (other than mixers and loaders) must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, and chemical-resistant footwear plus socks.

Mixers and loaders must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, chemical-resistant footwear plus socks, protective eyewear and chemical-resistant apron when cleaning, mixing or loading.

For exposures in enclosed areas: A NIOSH approved respirator with

Continued

PRECAUTIONARY STATEMENTS (Continued)

an organic-vapor (OV) cartridge or canister with any N, R, P or HE prefilter.

For exposure outdoors: A NIOSH approved respirator with any N, R, P or HE filter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing immediately if pesticide gets inside. 3) Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning equipment or disposal of wastes. Do not contaminate water used by wildlife or aquatic life or water used for domestic or irrigation purposes.

GENERAL INFORMATION

MSMA 660 herbicide is useful for selective postemergent weed control, particularly for grassy weeds in Cotton, lawn and non-crop areas. Its phytotoxic properties are quickly inactivated on contact with soil. Its activity is enhanced by addition of a 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.

This product applied properly will kill or control noxious weeds susceptible to MSMA such as:

Bhlagrass	Fall panicum	Nutsedge
Barnyardgrass	Fiddleneck	Oats (wild)
Beggartick (hairy)	Florida beggarweed	Pigweed
Brachiaria spp.	Foxtail	Puncturevine
Broomsedge	(green and yellow)	Purslane (common)
Chickweed	Goosegrass	Ragweed
Cocklebur	Guineagrass	Sandbur
Crabgrass	Jimsonweed	Sicklepod
(smooth and large)	Johnsongrass	Spurge
Dallisgrass	Morningglory	Watergrass
Dandelion	Mustard (wild)	Witchgrass
Dayflower	Nutgrass	Wood sorrel

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Manufactured By:

Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS. Do not enter or allow worker entry into treated areas during the REI of 12 hours.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil, or water is: coveralls, chemical-resistant gloves made of any waterproof material, chemical-resistant footwear plus socks, and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep children and pets out of the treated area until sprays have dried.

MIXING INSTRUCTIONS

This product 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.

COTTON

This product 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 spray solution.

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.

POSTEMERGENT-DIRECTED: Mix this product at a rate of 2.5 pints plus 1 pint of suitable 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 Nuttall's sedge. 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 This Product Per Acre	Surfactant Per Acre	Gallons of Water Per Acre
12 inches	11.5 fl. ozs.	0.5 pint	12
14 inches	13.5 fl. ozs.	0.5 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.

ORNAMENTAL TURFGRASS

This product can be used for selective control of the weeds listed under GENERAL INFORMATION with little or no injury to well-established, actively growing turfgrasses. Mow turfgrasses to a height of 1 to 1.5 inches before treatment. Mix 1 fluid ounce (2 tablespoons) of this product plus 2 to 3 fluid ounces of a suitable surfactant in 1 to 2.5 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 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 this product when properly applied.

Injury may result if applied to Bentgrass, Fescues and St. Augustinegrass. DO NOT apply to St. Augustinegrass except for commercial sod production. DO NOT apply to Carpetgrass, Centipedegrass, or to Dichondra. DO NOT reseed until two weeks after last application. DO NOT apply with hose-end applicators. For applications to St. Augustinegrass, applications may be made to sod on sod farms with the last application approximately 4-5 weeks prior to lifting the sod for harvest to allow for full recovery before lifting. The St. Augustinegrass sod will be temporarily discolored following application. DO NOT apply to freshly mowed St. Augustinegrass sod.

NON-CROP USE

This product 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, right-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 this product at a rate of 0.7 to 1.3 gallons 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.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

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 below 45°F. If stored below freezing, warm to 60°F and agitate thoroughly before using. Containers should not be stacked more than six feet high. Reclose all partially used containers by thoroughly tightening screwcap. 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 absorbent 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.

Open, or 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 pesticides, 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, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY—CONDITIONS OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Manufacturer and is accepted as such by the Buyer.