

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

NOV 26 2003

Ms. Luz Piwonka
Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113-0327

Subject: MSMA 600
EPA Registration No. 19713-529
Revised labeling submitted August 29, 2003

Dear Ms. Piwonka:

The amended labeling referred to above is acceptable. This labeling supercedes all previously accepted labeling for this product (except supplemental labeling). A stamped copy of the label is enclosed for your records.

If you have any questions about this letter, you may call Tobi Colvin-Snyder at 703-305-7801.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Tompkins", written over a vertical line.

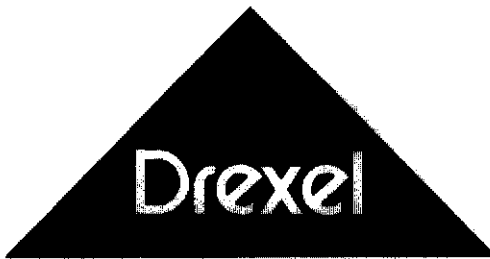
Jim Tompkins
Product Manager (25)
Herbicide Branch
Registration Division (7505C)

2/3

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 26 2003

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
19713 529



MSMA 600

Herbicide

MSMA liquid plus surfactant for selective postemergent weed control.

ACTIVE INGREDIENT:
Monosodium methanearsonate 48.4%

OTHER INGREDIENTS: 51.6%

TOTAL: 100.0%

Total Arsenic (as elemental) all in water soluble form is 22.4%. (Contains 6 lbs. MSMA per gallon at 68°F.) Use when temperature is at least 70°F.

KEEP OUT OF REACH OF CHILDREN CAUTION

See FIRST AID Below
SHAKE WELL BEFORE USING

EPA Reg. No. 19713-529
EPA Est. No. 19713-MS-1 Net Contents:

FIRST AID
<p>IF SWALLOWED:</p> <ul style="list-style-type: none"> • 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.
<p>IF IN EYES:</p> <ul style="list-style-type: none"> • 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.
<p>IF ON SKIN OR CLOTHING:</p> <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes.
<p>IF INHALED:</p> <ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
<p>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.</p>

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.

Continued

PRECAUTIONARY STATEMENTS (Continued)
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 exposure outdoors: A NIOSH approved respirator with any R, P or HE filter.
For exposures in enclosed areas: A respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TG-29C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TG-14C), or a NIOSH approved respirator with an organic-vapor (OV) cartridge or canister with any R, P or HE prefilter.
 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. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into 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 disposing of cleaning wastes. Do not contaminate water used by wildlife or aquatic life or water used for domestic or irrigation purposes.
Note: Add this statement to all container sizes of 50 pounds and higher. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

GENERAL INFORMATION
 MSMA 600 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.~~ This product is a combination of herbicide and surfactant. It is unnecessary to add any other surfactant 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:

Bahiagrass	Dallisgrass	Nutsedge
Barnyardgrass	Foxtail	Pigweed
Brachiaria spp.	(green and yellow)	Puncturevine
Chickweed	Goosegrass	Sandbur
Cocklebur	Johnsongrass	Watergrass
Crabgrass (smooth and large)	Nutgrass	Wood sorrell



Manufactured By:
Drexel Chemical Company
 P.O. BOX 13327, MEMPHIS, TN 38113-0327
 SINCE 1972

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.

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, and chemical-resistant footwear plus socks.

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 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. The addition of surfactant to this product is not necessary.

POSTEMERGENT-DIRECTED: Mix this product at a rate of one-third gallon 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 This Product Per Acre	Gallons of Water Per Acre
12 inches	13 fl. ozs.	12
14 inches	15 fl. ozs.	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 or graze treated areas.

LAWN AND ORNAMENTAL TURFGRASS

This product 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 mowings. Good grasses may be temporarily discolored. Bermuda, Bluegrass, and Zoysia are quite tolerant. Injury may result if applied to Bentgrasses and Fescue. Do not apply to St. Augustine, Carpetgrass, Centipedegrass, or to Dichondra.

Mow turfgrass 1 to 1.5 inches high before treatment. Mix 1.33 fluid ounces (8 teaspoons) of this product in 2.5 gallons of water and apply to 1,000 square feet 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° 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

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 6 to 12 pints 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 approximately 50°F. If stored below freezing, warm to 50°F. and agitate thoroughly before using. Containers should not be stacked more than six 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, 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.