

19713-42

11-26-2003

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

NOV 26 2003

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

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

Subject: MSMA 6 Plus  
EPA Registration No. 19713-42  
Revised labeling submitted July 29, 2003

Dear Ms. Piwonka:

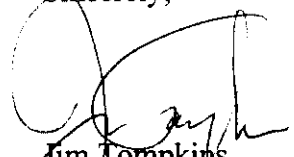
The amended labeling referred to above is acceptable provided that you make the following changes:

1. In the spray drift advisory section, change "should" to "shall" in the the sentence "Where states have more stringent regulations, they should be observed."
2. In the spray drift advisory section, in the swath adjustment subsection, change "downward" to "downwind".
3. Immediately prior to the ingredient statement, change the statement of use sites to "For selective post-emergent weed control in citrus, cotton, specified nonbearing fruit and nut trees (almond, apple, apricot, cherry, peach, pear, plum, prune and walnut), lawn and ornamental turf, and noncrop areas."
4. In the section for specific crops, change the header "agricultural plantings" to "specified nonbearing fruit and nut trees". Change the sentence that begins "This product is useful as directed..." to "This product is useful as a directed application in the following specified non-bearing Vineyards and in non-bearing deciduous Fruit and Nut orchards: Almond, Apple, Apricot, Cherry, Peach, Pear, Plum, Prune and Walnut orchards." (Add "following specified" and delete "such as".)
5. Change the last sentence of the Environmental Hazards statement to "Do not contaminate water by cleaning of equipment or disposal of equipment washwaters or rinsate."

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,



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

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.

19713-42



# MSMA 6 Plus

MSMA Liquid Plus Surfactant

For selective post-emergent weed control

### ACTIVE INGREDIENT:

Monosodium acid methanearsonate ..... 47.6%

OTHER INGREDIENTS: ..... 52.4%

TOTAL: ..... 100.0%

This product contains 6 pounds of MSMA per gallon.  
Total Arsenic (as elemental), all in water-soluble form, is 22.0%.

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

See FIRST AID Below  
SHAKE WELL BEFORE USING

EPA Reg. No. 19713-42

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.

#### IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

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.

### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed. May cause irritation of eyes, nose, throat and skin. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Do not contaminate feed and foodstuffs.

#### 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 must wear:** Long-sleeved shirt and long pants, chemical-resistant gloves such as polyethylene or polyvinyl chloride, and shoes plus socks.

#### Mixers and loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Shoes plus socks
- Protective eyewear
- Chemical-resistant headgear
- Chemical-resistant apron when mixing or loading.

(Continued)

### PRECAUTIONARY STATEMENTS (Cont.)

~~For exposures outdoors and in enclosed areas: A NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.~~

When handlers use aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. 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) Wash thoroughly and put on clean clothing.

### ENVIRONMENTAL HAZARDS

For terrestrial uses, 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 of equipment or disposal of equipment washwaters.

**Note:** Add this statement to all container sizes of 5 gallons 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 6 PLUS is a herbicide useful for controlling weeds in Cotton, Citrus, non-bearing Vineyards, deciduous fruit and nut orchards, Non-crop areas and Lawn and Ornamental turf. ~~Its phytotoxic properties are quickly inactivated on contact with soil.~~ It is a combination of herbicide and surfactant. It is unnecessary to add any surfactant to the spray solution. Best results are obtained on young, actively growing weeds at air temperatures above 70°F.

Weeds controlled by this product include:

- |   |   |
|---|---|
| Bahiagrass ( <i>Paspalum sp.</i> )              | Guineagrass ( <i>Panicum sp.</i> )          |
| Barnyardgrass ( <i>Echinochloa crus-galli</i> ) | Jimsonweed ( <i>Datura stramonium</i> )     |
| Beggartick, hairy ( <i>Biden pilosa</i> )       | Johnsongrass ( <i>Sorghum halipense</i> )   |
| Brachiaria spp.                                 | Morningglory ( <i>Ipomoea spp.</i> )        |
| Broomsedge                                      | Mustard, wild                               |
| Chickweed ( <i>Stellaria media</i> )            | Nutsedge ( <i>Cyperus sp.</i> )             |
| Cocklebur ( <i>Xanthium spinosum</i> )          | Oats, wild ( <i>Avena fatua</i> )           |
| Crabgrass, large ( <i>Digitaria sp.</i> )       | Pigweed ( <i>Amaranthus sp.</i> )           |
| Crabgrass, smooth ( <i>Digitaria sp.</i> )      | Puncturevine ( <i>Tribulus terrestris</i> ) |
| Dallisgrass ( <i>Paspalum dilatatum</i> )       | Purslane, common                            |
| Dandelion ( <i>Taraxacum officinale</i> )       | Ragweed ( <i>Ambrosia spp.</i> )            |
| Dayflower ( <i>Commelina sp.</i> )              | Sandbur ( <i>Cenchrus sp.</i> )             |
| Fiddleneck ( <i>Amsinckia sp.</i> )             | Sicklepod ( <i>Cassia obtusifolia</i> )     |
| Florida Beggarweed                              | Sorrel, Wood ( <i>Oxalis sp.</i> )          |
| ( <i>Desmodium tortuosum</i> )                  | Spurge ( <i>Euphorbia sp.</i> )             |
| Foxtail ( <i>Setaria sp.</i> )                  | Witchgrass ( <i>Panicum capillare</i> )     |
| Goosegrass ( <i>Eleusine indica</i> )           |   |

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 through any type of irrigation system. 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. 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, 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 such as polyethylene or polyvinyl chloride and shoes 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 WPS 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 is completely water-soluble. Fill the spray equipment reservoir about half full with water and add the required amount of herbicide with agitation. Finish filling the tank with water and apply. After use, clean equipment thoroughly by flushing with water. Do not store spray solution in tank for a prolonged period. Although this product is only moderately corrosive, do not use in galvanized or aluminum equipment.

**COTTON**

This product is useful for the control of weeds listed under *GENERAL INFORMATION* section and many similar weeds.

Application can be made: 1) Preplant or postplant up to cracking of soil before Cotton emergence using ground or aircraft equipment. 2) Postemergent, over the top, when Cotton is 3 to 6 inches high or up to early first square stage, whichever occurs first using ground or aircraft equipment. 3) Postemergent as a directed spray with ground equipment when Cotton is 3 inches high to first bloom.

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

DO NOT allow spray or spray drift to contact adjacent crops or injury will result. Apply only on still days when weather conditions DO NOT favor drift from areas being treated. Aircraft applications of this product should only be made by applicators experienced in use of herbicides, and application should be made in accordance with State and Federal regulations.

**Note:** Applications to Cotton in Florida should be confined to band treatments.

**Pre-Plant Application or Post-plant up to Cracking Application:** If planting of Cotton has been delayed and weeds have emerged, a single ground or aircraft application of this product can be made to prepared Cotton seedbeds or as a postplant treatment, but no later than initial cracking of soil. Cotton may be planted immediately following the pre-plant application. Mix at the rate of 2.66 pints of this product in 40 gallons of water for ground equipment or in 5 to 10 gallons of water for aircraft application per acre of Cotton.

**Post-Emergent Applications Using Ground or Aircraft Equipment as an Over-the-Top Broadcast Spray** when Cotton is 3 inches high until early first square stage as a salvage operation. Mix at the rate of 1 to 1.25 pints of this product in 40 gallons of water for ground equipment or in 5 to 10 gallons of water for aircraft application per acre of Cotton. If needed, a second or repeat application should be made 1 to 3 weeks after the first application. Apply only as a salvage operation. Apply only to healthy, rapidly growing

Cotton, 3 inches high, but no later than 6 inches high or early square, whichever occurs first. Preference should be given to directed sprays. In order to minimize injury, the second application should be made as a directed spray when possible. DO NOT make more than two applications total of either DSMA or MSMA (or a combination) per season. Do not feed foliage to livestock or graze treated areas.

**Postemergent Directed Spray Applications:** Mix this product at the rate of 2.66 pints in 40 gallons of water per acre. For band applications, apply 1 gallon in 40 gallons of water per acre. For band applications, apply 1 gallon of above diluted spray per acre for each 1 inch band width to be treated of Cotton grown on 40 inch row spacing. Direct the spray solution to the base of the Cotton plant. Nozzles should be placed so as to avoid spraying the Cotton foliage, but to give good coverage of the weeds. If regrowth occurs, make a second application about 1 to 3 weeks after the first. Make directed applications only when Cotton is 3 inches high to first bloom. Do not apply after first bloom. Do not feed foliage to livestock or graze treated areas.

**CITRUS**

**Bearing and Non-Bearing:** This product is useful as a directed application in Citrus orchards, such as Grapefruit, Lemon, Lime, Orange and Tangerine orchards. It should be applied at the rate of one-third to two-thirds gallon per acre. Mix this product at the rate of one-third gallon in 50 gallons of water. Apply as a directed spray in interspaces and around base of trees. Spray unwanted vegetation to just short of runoff. If regrowth occurs, reapply as required; however, do not exceed 3 applications per year. Do not allow spray solution to contact fruit, leaves, stems or bark. Use a shield, if necessary, for nursery plantings or young trees. Use only as spot treatment in Florida.

**AGRICULTURAL PLANTINGS**

This product is useful as a directed application in non-bearing Vineyards and in non-bearing deciduous Fruit and Nut orchards, such as Almond, Apple, Apricot, Cherry, Peach, Pear, Plum, Prune and Walnut orchards. It should be applied at the rate of one-third to two-thirds gallon per acre. Mix this product at the rate of one-third gallon in 50 gallons of water. Apply as a directed spray in interspaces and around base of trees or vines. Spray unwanted vegetation to just short of runoff. If regrowth occurs, reapply as required; however, do not exceed 3 applications per year. Do not allow spray solution to contact leaves, stems or bark. Use a shield, if necessary, for nursery plantings or young trees. Do not apply around trees or vines from which fruit will be harvested within one year of treatment.

**NON-CROP**

This product is useful for controlling weeds listed under GENERAL INFORMATION section and similar other weeds on drainage ditch banks, right-of-ways, storage yards and similar non-crop areas. Mix this product at a rate of 2.5 to 6 pints per 40 to 50 gallons of water per acre. Use higher rates and spray volume for dense weed growth. For small areas, use 1 to 2 fluid ounces in 5 gallons per 1,000 square feet. Spray undesirable vegetation thoroughly to point of runoff. Adequate coverage and complete wetting of foliage is important for effective control. If regrowth occurs, reapply as required.

**LAWN AND ORNAMENTAL TURF**

This product is useful for control of Bahiagrass, Barnyardgrass, Chickweed, Crabgrass, Dallisgrass, Nutsedge, Sandbur and Woodsorrel with little or no injury to tolerant lawn grasses. On new lawns, do not treat until after three mowings. Tolerant grasses may be temporarily discolored. Bermuda, Bluegrass and Zoysia are quite tolerant. Do not use on Carpetgrass, Centipede grass or on Dichondra. Do not apply to St. Augustine grass except for commercial sod production.

To treat larger areas, such as athletic fields, golf courses and parks, mow lawns 1 to 1.5 inches high before treatment. Mix 1.33 fluid ounces (8 teaspoons) of this product in 1 to 2.5 gallons of water and apply to an area of 1,000 square feet. For established Bermudagrass and Zoysiagrass, mix 1 to 2 fluid ounces (2 to 4 tablespoons) of this product in 1 to 2.5 gallons of water for application to an area of 1,000 sq. ft. Spray thoroughly to wet all undesirable plants. Repeat applications, 10 to 14 days apart, may be needed for good control. DO NOT apply with hose-end applicators.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage and disposal. **PESTICIDE STORAGE:** Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. High heat may form volatile arsenic compounds. Do not stack over 2 pallets high. Move containers by handles or in cases. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed, seed, fungicides, insecticides and fertilizers to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled, follow these steps while wearing protective clothing:

1. Contain spill. Absorb with an inert material such as sand or sawdust.
2. Collect and place in suitable containers for disposal.
3. Wash area with soap and water to remove remaining pesticide.
4. Follow washing with clean water rinse.
5. Place a leaking container in a plastic tub and transfer container, as soon as possible, to an empty, original container.
6. Do not allow runoff to enter sewer or contaminate water supplies.
7. Dispose of waste as indicated below.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer 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 Seller and is accepted as such by the Buyer.