

19713-40

11/04/1983

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NOV 4 1983

Ms. Les Shockey
Drexel Chemical Company
P.O. Box 9306
2487 Pennsylvania Street
Memphis, TN 38109

Dear Ms. Shockey:

Subject: Methanearsonates
Drexel MSMA 4 Plus
EPA Registration No. 19713-40 ✓
Drexel DSMA Liquid
EPA Registration No. 19713-45
Drexel DSMA Slurry
EPA Registration No. 19713-96
Drexel DSMA 81 P
EPA Registration No. 19713-113
Drexel Croak Fluometuron
With MSMA for Post-Emergence
Weed Control in Cotton
EPA Registration No. 19713-127
Drexel MSMA 8
EPA Registration No. 19713-151
Drexel Kack Plus MSMA
EPA Registration No. 19713-153
Your Submissions of October 18, 1983

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable provided that you:

1. Make the labeling change listed below before you release the product for shipment bearing the amended labeling:
 - a. If the Precautionary Statement Section does not appear on the front panel, you must add the following referral statement.

See side panel for additional precautionary statements.

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

CONCURRENCES

SYMBOL ▶							
SURNAME ▶							
DATE ▶							

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A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

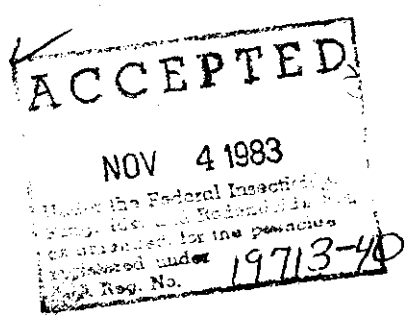
Richard F. Mountfort *RFM*
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767)

Enclosure

DCR-25944: MOUNTFORT: RD-10: 11/3/83: DEL. 11/12/83: pjb



MSMA 4 Plus



MSMA Liquid Plus Surfactant
For Selective
Post-Emergent Weed Control

ACTIVE INGREDIENTS:
 Monosodium Acid Methanearsonate*.....35.78%
 INERT INGREDIENTS:.....64.22%
 Total Arsenic (as elemental)
 all in water soluble form.....16.55%

*Product contains 4 lbs. MSMA per gallon.

KEEP OUT OF REACH OF CHILDREN
CAUTION

See side panel - ...

EPA Registration No. 19713-40 ✓
 EPA Establishment No. 19713-MS-1

Net Contents: _____

Manufactured By:
Drexel Chemical Company
 P.O. BOX 9306, MEMPHIS, TENN. 38109-0306

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. Wash hands and face before eating or smoking. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Do not contaminate feed and food stuffs. Keep children and domestic animals off treated areas until this material has been washed into the soil. 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.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a Physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF IN EYES: Immediately flush eyes with plenty of water and get medical attention.

IF ON SKIN: Immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes. If irritation develops, seek medical attention.

IF INHALED: Remove victim to fresh air.

DO NOT enter treated areas without protective clothing until sprays have dried.

Protective Clothing Requirements:

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.

ENVIRONMENTAL HAZARDS

Do not apply directly to any body of water. Do not contaminate water used for irrigation or domestic purposes. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from areas treated.

DIRECTIONS FOR USE:

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

GENERAL INFORMATION

MSMA 4 Plus Herbicide is useful for selective post-emergent weed control, particularly for grassy weeds. Its phytotoxic properties are quickly inactivated on contact with soil. It 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 temperatures above 70 degrees F.

MIXING INSTRUCTIONS: MSMA 4 Plus Herbicide is completely water soluble. Fill the spray equipment tank 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 MSMA 4 Plus Herbicide is only moderately corrosive, do not use in galvanized or aluminum equipment.

NON-CROP: MSMA 4 Plus Herbicide is usefor for control of johnsongrass, nutsedge, and certain other weeds on drainage ditchbanks, rights-of-way, fence rows, storage yards and similar non-crop areas. Mix MSMA 4 Plus Herbicide at a rate of 2 to 5 quarts in 100 gallons of water. Spray unwanted vegetation thoroughly to just short of run-off. Any spray equipment that gives good coverage may be used. If regrowth occurs, reapply as required.

LAWN AND ORNAMENTAL TURF: MSMA 4 Plus Herbicide is useful for control of dallisgrass, sandbur, bahiagrass, nutsedge, crabgrass, chickweed, and wood sorrel 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. 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 fluid ounces (4 tablespoons) of MSMA 4 Plus Herbicide in 5 gallons of water and apply 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.

To treat larger areas, such as athletic fields, golf courses, and parks, mow turf 1 1/2 to 2 inches high before treatment. Mix 2 to 3 quarts of MSMA 4 Plus Herbicide in 40 gallons of water and apply to an area of 1 acre.

DO NOT apply with hose-end applicators.

STORAGE AND DISPOSAL

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

STORAGE INSTRUCTIONS

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 cases 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 fertilizer 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 saw dust.
2. Collect and place in suitable containers for disposal.
3. Wash area with water and soap to remove remaining pesticide.
4. Follow washing with clean water rinse.
5. Place a leaking container in a plastic tub and transfer contents as soon as possible to an empty original container.
6. Do not allow run-off 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

The Seller 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 or 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 conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.