



with comments
10/1/72
1973-153



**KACK PLUS MSMA
HERBICIDE**

MSMA, Sodium Cacodylate and
Cacodylic Acid Liquid Plus Surfactant
For General Post-Emergent Weed Control

ACTIVE INGREDIENTS:

Monosodium Acid	
Methanearsonate	26.02%
Sodium Cacodylate	10.47%
Dimethylarsinic Acid (Cacodylic Acid)	1.80%
INERT INGREDIENTS:	61.71%
	TOTAL 100.00%
Total Arsenic (as elemental) all in water soluble form	17.92%

26.117
10.47
1.79

Product contains 3.00 lbs. MSMA and 1.25 lbs, cacodylic acid
equivalent per gallon.

**KEEP OUT OF THE
REACH OF CHILDREN**

CAUTION:

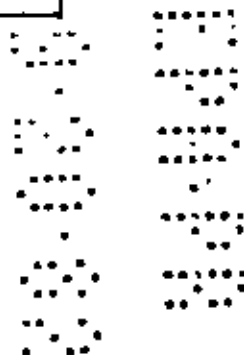
See Side Panel

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Immediately flush eyes with plenty of water. Get medical attention.
IF ON SKIN: Flush with plenty of water. Get medical attention if irritation persists.
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 give anything by mouth to an unconscious person.

EPA Reg. #19713-
EPA Est #19713-MS-1

Manufactured by: Drexel Chemical Company
P.O. Box 9306
Memphis, Tenn. 38109



PRECAUTIONARY STATEMENTS

Hazards to humans and domestic animals.

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Wash hands and face before eating or smoking. Wash thoroughly after handling. Keep children and domestic animals off treated areas until the material has been washed into the soil.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

GENERAL INFORMATION

KACK PLUS MSMA Herbicide is a special formulation of herbicides in combination with a surface-active (wetting) agent, for general post-emergent weed control. It is unnecessary to add any other surfactant to the spray solution. This product is effective on both broadleaf weeds and grasses. The phytotoxic properties of these materials are quickly activated on contact with the leaf. Best results are obtained on young, actively growing weeds at 10 to 15 degrees above 50°F.

MIXING INSTRUCTIONS

KACK PLUS MSMA 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 KACK PLUS MSMA Herbicide is only moderately corrosive, do not use in galvanized or aluminum equipment.

DIRECTIONS FOR USE

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

KACK PLUS MSMA Herbicide is a post-emergent herbicide useful for controlling broadleaf weeds and grasses, such as puncturevine, wild mustard, wild oats, chickweed, sandbur, common ragweed, pigweed, crabgrass, lambsquarter, common plantain, prostrate spurge, giant foxtail and yellow foxtail; and to top-kill certain perennials such as johnsongrass, dallisgrass and nutsedge.

✓ KACK PLUS MSMA Herbicide is useful for general weed control on drainage ditchbanks, rights-of-way, fence rows, and storage yards; along highways, utility lines and pipe-lines; around power plants and buildings, and on similar non-crop areas.

✓ Use KACK PLUS MSMA Herbicide at the rate of 1 to 2 gallons per acre in sufficient water to get full coverage. Ground application normally requires 40 to 100 gallons of spray solution per acre. Any spray equipment that gives good coverage may be used, if regrowth occurs reapply as required.

✓ Bindweed (Morningglory) control: Use 1½ to 2 gallons of KACK PLUS MSMA Herbicide in 50 to 100 gallons of water per acre. Make first application at first bloom, wetting foliage just short of run-off. Repeat application as needed for top-kill, but limit to three applications per year.

**STORAGE
AND
DISPOSAL**

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

PESTICIDE DISPOSAL:

Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by incineration if allowed by state and local authorities.

WARRANTY - CONDITION 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 Drexel 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 Drexel Chemical Company and is accepted as such by the Buyer.

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (4H-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO. 100-100-01	DATE OF ISSUANCE OCT 28 1982
	TERM OF ISSUANCE Indefinite	
	NAME OF PESTICIDE PRODUCT ...	
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>		
NAME AND ADDRESS OF REGISTRANT (include ZIP code) ...		
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an endorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.		
...		
...		
...		
...		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL ...		DATE OCT 28 1982

EPA Form 8270-6 (Rev. 3-76)

PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED.

BEST DOCUMENT AVAILABLE

- b. According to our calculations, the active ingredients should be declared as follows:

Monosodium Acid Methanearsonate	-----	75.12%
Sodium Cacodylate	-----	18.49%
Dimethylarsinic Acid (cacodylic acid)	-----	1.79%

Either declare these percentages, or submit a corrected Confidential Statement of Formula. Confirm that the ingredient substatements are correct.

- c. If the Precautionary Statements appear on the side panel, add to the front panel the following statement:

See side panel for additional precautionary statements.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 5(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Richard P. Mountfort *RP*
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (TS-767)

Enclosure