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MSMA 6

TREE KILLER

For General Forestry Use

ACTIVE INGREDIENTS:

Monosodium Acid		
Methanearsonate	47.6 ✓ 47.8
INERT INGREDIENTS	52.4
	TOTAL:	100.02

Total Arsenic (as elemental) all in water soluble form 22.03

Product contains 6.0 lbs. MSMA per gallon.

KEEP OUT OF REACH OF CHILDREN
CAUTION

STATEMENT OF PRACTICAL TREATMENT
 IF SWALLOWED: Drink 1 or 2 glasses of water, Induce vomiting by placing finger in back of throat. Call a physician. Never give anything by mouth to an unconscious person.
 IF IN EYES (OR ON SKIN): Flush with plenty of water.
 See Safety Period

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

Net Contents:

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

BEST DOCUMENT AVAILABLE

PRECAUTIONARY STATEMENTS

Hazards to humans and domestic animals.

CAUTION: Harmful if swallowed, avoid breathing spray mist. Causes irritation of nose, throat and skin. Avoid contact with eyes, skin and clothing. Do not contaminate feed and food stuffs. Keep children and domestic animals off treated areas until this material has been washed into the soil.

Environmental Hazards

Keep out of any body of water. Do not contaminate water by cleaning equipment or disposal of waste.

Do not apply when weather conditions favor drift from target area.

GENERAL INFORMATION:

MSMA 6 Tree Killer is designed for crown kill of undesirable trees through spaced-cut injection methods. It is useful for the control of the following conifers: lodgepole pine, ponderosa pine, Douglas-fir, jack pine, and red pine. It is also useful for the control of big leaf maple. It shows negligible translocation through root grafts and has no residual phytotoxic action in the soil.

CARE OF EQUIPMENT: MSMA 6 Tree Killer is entirely soluble in water. Rinse all injection equipment thoroughly after use, and dispose of liquid wastes in a pit in non-crop lands located away from water supplies.

DIRECTIONS FOR USE:

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

SPACED-CUT INJECTION WITH ANSUL "HYPO-HATCHET" INJECTOR: The Ansul HYPO-HATCHET Injector cuts and injects in one operation. When a tree is struck with the injector, a pre-set amount of MSMA 6 Tree Killer is injected automatically into the sapstream of the tree immediately after impact. The injector works by inertia and is designed to inject at least one milliliter of chemical per stroke. The cuts should be evenly spaced around the trunk to give proper distribution into the sapwood. For detailed instructions on how to use the Ansul HYPO-HATCHET Injector, refer to the Operation Manual.

CONIFERS (See General Information) AND BIG LEAF MAPLE (Growing Season) - For trees below 8 inches diameter at breast height (DBH), make one cut per 2 inches of DBH ($4\frac{1}{2}$ " spacing between cut edges) at waist height or below. For trees 8 inches DBH and larger, make one cut per 1 inch DBH ($1\frac{1}{2}$ " spacing between cut edges).

CONIFERS (Dormant Season) - Make one cut per 1 inch of DBH ($1\frac{1}{2}$ " spacing between cut edges) at waist height or below.

BIG LEAF MAPLE (Dormant Season) - Make a complete frill at waist height or below (cuts need not be overlapping).

SPACED-CUT APPLICATION: Although spaced-cut application is facilitated by use of the Ansul HYPO-HATCHET Injector, a hatchet or similar cutting tool can be used. The number of cuts per tree depends upon the size of the cuts and the volume to be injected, but in any case, should be sufficient to hold the herbicide without running down the trunk. Make certain that each cut penetrates into the sapwood. Apply MSMA 6 Tree Killer with a pump-type oil can, plastic squeeze bottle, or other suitable dispenser.

CONIFERS (See General Information) AND BIG LEAF MAPLE (Growing Season) - For trees below 8 inches diameter breast height (DBH), apply 1 to 2 milliliters of MSMA 6 Tree Killer per cut per 2 inches of DBH (6" spacing between cut centerlines) at waist height or below. For trees 8 inches DBH and larger, use 1 to 2 milliliters per cut per 1 inch DBH (3" spacing between centerlines).

CONIFERS (Dormant Season) - Apply 1 to 2 milliliters of MSMA 6 Tree Killer per cut per 1 inch of DBH (3" spacing between cut centerlines).

BIG LEAF MAPLE (Dormant Season) - Apply 1 to 2 milliliters of MSMA 6 Tree Killer per cut in a complete frill at waist height or below. (Cuts need not be overlapping.)

HYPO-HATCHET is a registered trademark of The Ansul Company.

BEST DOCUMENT AVAILABLE

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL

Pesticide, spray mixture, or rinsate that cannot be used or chemically reprocessed should be disposed of according to procedures approved by Federal, State or local disposal authorities.

CONTAINER DISPOSAL

Do not reuse empty container. Triple rinse (or equivalent) and render unusable. Dispose of in an incinerator or land fill approved for pesticide containers, or bury in a safe place.

Open dumping is prohibited.

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.

MSMA 6

DATA SHEET

MSMA 6

Herbicide

PHYSICAL PROPERTIES

Appearance	Bright Red Solution
Density, g./ml.	1.483
Net Weight per Gallon	12.37 lbs.
pH	5.5 - 5.9
Arsenic Content (as elemental)	22.42%

HANDLING

MSMA 6 Tree Killer will usually remain fluid at temperatures down to approximately 10°F. will cause crystallization, however, the crystals should redissolve on warming to room temperature.

The Acute Oral LD₅₀ of MSMA 6 Tree Killer is approximately 1800 mg./kg. of body weight when tested on young male and female albino rats. While MSMA 6 Tree Killer is considered to be only a moderate toxicant and a moderate skin and eye irritant, it is recommended that contact with the material be avoided.

USES

MSMA 6 Tree Killer is designed for the crown-kill of undesirable trees through spaced-cut injection methods. It is useful for the control of lodgepole pine, ponderosa pine, Douglas-fir, jack pine, red pine and big leaf maple. Current uses include: Pre-commercial thinning, cut elimination, conifer release, control of species composition, site preparation, and rangeland clearing.

- d. You should delete "Keep children and domestic animals off treated areas until this material has been washed into soil" and "Do not apply when weather conditions favor drift from target area." These statements are not necessary since this product is only intended for tree injection.
- e. Modify "Keep out of any body of water" to read:

Do not apply directly to water.
- f. Delete "and dispose of liquid wastes in a pit in noncrop lands located away from water supplies."
- g. Update the Storage and Disposal Section in accordance with the attached sheet.
- h. On the Data Sheet delete "while" before "MSMA 6 Tree Killer is considered..." This is an implied safety claim. Refer to 40 CFR §162.10(a)(5).

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. 6(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 *RPM*
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (29-767)

Enclosure