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United States Environmental Protection Agency Washington, DC 20460

Registration Amendment Other (checked)

OPP Identifier Number 253052

Application for Pesticide - Section I

1. Company/Product Number 19713-337
2. EPA Product Manager Joanne Miller
3. Proposed Classification None (checked) Restricted
4. Company/Product (Name) Drexel LV6 Weed Killer
5. Name and Address of Applicant (Include ZIP Code) Drexel Chemical Company P. O. Box 13327 Memphis, TN 38113-0327
6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. Product Name

Section - II

Amendment - Explain below. Resubmission in response to Agency letter dated. Notification - Explain below: (checked) Final printed labels in response to Agency letter dated NOTIFICATION MAR 21 1996 "Me Too" Application. Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.) Alternate name for Drexel LV6 Weed Killer will be "HERBICIDE II" when sold as a co-package with Atrazine 4L.

Section - III

1. Material This Product Will Be Packaged In: Child-Resistant Packaging, Unit Packaging, Water Soluble Packaging, 2. Type of Container, 3. Location of Net Contents Information, 4. Size(s) Retail Container, 5. Location of Label Directions, 6. Manner in Which Label is Affixed to Product

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) Name: Barbara Brown, Title: Registration Specialist, Telephone No: 901/774-4370
Certification: I certify that the statements I have made on this form and all-attachments thereto are true, accurate and complete.
2. Signature: Barbara Brown, 3. Title: Registration Specialist, 4. Typed Name: Barbara Brown, 5. Date: 2/28/96, 6. Date Application Received (Stamped)

2 7 3



Drexel

# HERBICIDE II

## ACTIVE INGREDIENTS:

Isocetyl Ester of 2,4-Dichlorophenoxy-acetic Acid\* ..... 94.4%

INERT INGREDIENTS: ..... 5.6%

TOTAL: ..... 100.00%

\*2,4-Dichlorophenoxyacetic Acid equivalent to 62.6% - 6.0 lbs. per gallon. Isomerspecific by AOAC Method No. 6.DO1-6.DO5

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

SHAKE WELL BEFORE USING

EPA REG. NO. 19713-337

EPA EST. NO. 19713-GA-1

■ 337SP-0296

### 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 ON SKIN:** Wash with plenty of soap and water. Get medical attention.  
**IF IN EYES:** Flush with plenty of water. Get medical attention if irritation persists.  
**IF INHALED:** Move victim to fresh air. Give artificial respiration if needed. Get medical attention.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin, eyes and clothing. May produce skin sensitization reaction in certain individuals. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. The area being treated must be vacated by unprotected persons.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers: Long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear. 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. After each day of use, clothing or PPE must not be reused until it has been cleaned.

#### ENGINEERING CONTROL STATEMENTS:

If this container contains over 1 gallon and less than 5 gallons, mixers and loaders who do not use a closed mechanical system (probe and pump) to transfer the contents of this container must wear coveralls or a chemical-resistant apron in addition to the other required PPE. If this container contains 5 gallons or more in capacity, a closed mechanical system (probe and pump) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

The mechanical system must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)]. The handler PPE requirements may be reduced or modified as specified in the WPS. When handlers use enclosed cabs, or 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.

### USER SAFETY RECOMMENDATIONS

#### Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 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

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 apply when weather conditions favor drift from target area. Spray equipment used to apply this product should be thoroughly cleaned before using for any other purpose. Use repeated flushing with soap and warm water or suitable chemical cleaner. It is best to use a separate sprayer for application of insecticides and fungicides. Do not contaminate water by cleaning of equipment or disposal of washwaters. This product will kill or seriously injure many desirable forms of vegetation. Do not apply directly to flowers, fruits, vegetables, grapes, ornamentals, cotton or other desirable plants. Do not use when there is hazard from drifting mists. (Coarse sprays are less likely to drift). Vapor from this product may injure susceptible plants in the immediate vicinity. Avoid contamination of water used for domestic purposes and irrigation purposes. Excessive amounts of this product in the soil may temporarily inhibit seed germination and plant growth. This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and non-target plants. Do not apply directly to water except as specified on this label. Do not contaminate water when disposing of equipment washwaters.

**GROUND CONTAMINATION:** Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

#### 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 requirement specific to your state or tribe, consult the agency responsible for pesticide regulations.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 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), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval (Reentry Interval—48 hours).

Manufactured By:

**Drexel Chemical Company**

P.O. BOX 13327, MEMPHIS, TN 38113-9327

**AGRICULTURAL USE REQUIREMENTS CONTINUED**

Personal Protective Equipment required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, Waterproof gloves, shoes plus socks and Protective eyewear

**GENERAL INFORMATION:** Performance of this product may be affected by local conditions, crop varieties, and application method. User should consult local extension service, agricultural experiment, or university weed specialist, and state regulatory agencies for recommendations in your area. Best results are obtained when product is applied to young, succulent weeds that are actively growing. Application rates lower than recommended will be satisfactory on susceptible annual weeds. For perennial weeds and conditions such as the very dry areas of the western states, where control is difficult, the higher recommended rates should be used. When product is used for weed control in crops, the growth stage of the crop must be considered.

Some plants and weeds, especially woody varieties, are difficult to control and may require repeat applications. Application rates should be 1 to 5 gallons of total spray by air or 5 to 25 gallons by ground equipment unless otherwise directed. In either case, use the same amount of 2,4-D recommended per acre. Aerial application should be used only when there is no danger of drift to susceptible crops. Many states have regulations concerning aerial application of 2,4-D formulations. Consult local regulatory authorities before making applications. Although HERBICIDE II is a low volatile formulation, at temperatures above 95°F, vapors may damage susceptible crops growing nearby. Because coarse sprays are less likely to drift than fine, do not use equipment (such as high pressure) that produce such sprays. Product should not be allowed to come into contact with desirable susceptible plants such as beans, cotton, fruit trees, grapes, legumes, ornamentals, peas, tomatoes, and other vegetables. Product should not be used in greenhouses. Excessive amounts of this product in the soil may temporarily inhibit seed germination and all plant growth.

Users should note that herbicide treatment of public water requires a permit from appropriate state agencies in most states. Your Conservation Department, or Game and Fish Commission will aid you in securing a permit in your state. If stored below freezing, it may be necessary to warm product to 40° F and agitate before using. This does not affect the efficiency of the product. Spray equipment used to apply 2,4-D should not be used for any other purpose until thoroughly cleaned with a suitable chemical cleaner.

**SPRAY PREPARATION:** Add the recommended amount of product to approximately one-half the volume of water to be used for spraying. Agitate well, then add the remainder of the water. Continue agitation during application until spray tank is empty.

**WHERE TO USE**

Alligatorweed	Arrowweed	Artichoke
Bitterweed (hedge, field, and European)	Bitter wintercress	Boxelder
Bulrush	Buckhorn	Bull thistle
Buttercup	Burdock	Bur ragweed
Chicory	Catnip	Chickweed
Creeping jenny	Cocklebur	Coffee bean
Dock	Curly indigo	Dandelion
Goldenrod	Duckweed	Elderberry
Hoary cress	Ground ivy	Hemp
Ironweed	Honeysuckle	Indigo
Locoweed	Jimson weed	Lambsquarter
Mustard	Mexican weed	Morning glory
Pennywort	Nutgrass	Parrot feather
Poison ivy	Pigweed	Plantain
Puncturevine	Pokeweed	Poverty weed
Russian thistle	Purslane	Rush
Smartweed	Sagebrush	Shepard's purse
Sumac	Sowthistle	Stinkweed
Water hyacinth	Sunflower	Virginia creeper
Wild garlic	Waterlily	Water primrose
Wild radish	Wild lettuce	Wild onion
	Willow	

**CORN (Pre-emergence):** Apply HERBICIDE II from 3 to 5 days after planting but before corn emerges. Do not use on very light, sandy soils. Use the higher rates on heavy soils. Plant corn as deep as practical.

**Post-emergence:** Best results are usually obtained when weeds are small and corn is 4 to 18 inches tall. When corn is over 8 inches tall, use drop nozzles. Do not apply from tasseling to dough stage. If corn is growing rapidly and temperature and soil moisture content is high, use 1/3 pint per acre rate to reduce possibility of crop damage. Delay cultivation for 8 to 10 days to prevent stalk breakage due to temporary brittleness caused by 2,4-D. Application rates of up to 2/3 pint per acre may be used to control some hard to control weeds. However, the possibility of injury to the corn is increased.

**Pre-Harvest:** After the hard dough or denting stage, apply 2/3 to 1-1/3 pints per acre of HERBICIDE II by air or ground equipment to suppress perennial weeds, decrease weed seed production, and control tall weeds such as Bindweed, Cocklebur, Dogbane, Jimsonweed, Ragweed, Sunflower, Velvetleaf, and vines that interfere with harvesting. Do not forage or feed corn fodder to livestock for 7 days following application.

**SORGHUM (Milo):** Apply to sorghum when crop is 4 to 12 inches high with secondary roots well established. Use drop nozzles when crop is over 10 inches

high. Do not apply from flowering to dough stage. Rate of up to 2/3 pint per acre may be used to control some hard to control weeds. However, the chance of crop injury is increased with higher rates. Do not use with oil. Use lower rate when conditions of high temperature and soil moisture exist.

**FALLOW LAND:** On established perennial species such as Canada thistle and Field bindweed, apply up to 4 pints per acre of HERBICIDE II. For annual broadleaf weeds, apply 1-1/3 to 2-2/3 pints per acre. Do not plant any crop for 3 months after treatment or until 2,4-D has disappeared from soil.

**ESTABLISHED PASTURES AND RANGELANDS:** Use 2/3 to 2-2/3 pints in sufficient water to give good coverage on one acre depending on type of perennial grasses. Keep dairy animals off treated areas for 7 days. Do not cut grass for hay for 30 days after treatment.

**GENERAL WEED CONTROL (Airfields, Roadsides, Vacant Lots, Drainage Ditch banks, Fence Rows, Industrial Sites and Similar areas):** Use 1-1/3 to 4 pints of HERBICIDE II per acre. Usually 2-2/3 pints per acre will give adequate control. Do not use on herbaceous ground covers or creeping grass such as Bent. Legumes will usually be damaged or killed. Deep-rooted perennials may require repeat applications. Do not use on freshly seeded turf until grass is well established. Delay reseeding for 3 months after treatment or until 2,4-D has disappeared from the soil.

**WOODY PLANT CONTROL:** To control woody plants susceptible to 2,4-D such as Alder, Buckbrush, Elderberry, Sumac, and Willow on non-crop areas, use 1-1/3 to 2 quarts of HERBICIDE II in 100 gallons of water. Wet all parts of the plants thoroughly, including stem and foliage, to the point of runoff. Higher volumes of up to 400 gallons per acre are necessary where the brush is very dense and over 6 to 8 feet high. Applications are more effective when made on actively growing plants. Treatment should not be made during time of severe drought or in early Fall when leaves lose their green color. Hard to control species may require re-treatment next season.

**USES IN FOREST MANAGEMENT**

**CONIFER RELEASE:** For control of alder, apply 1 to 1-1/3 quarts of product per acre in 8 to 25 gallons of water, as a foliage spray between mid-May and mid-June. For control of madrone, manzanita, oak, tan oak, and similar species to release hemlock, spruce and fir, apply 2 quarts of product per acre in 8 to 25 gallons of water, just prior to or during bud-break of Douglas fir. After northern conifers jack pine, red pine, black spruce, and white spruce cease growth and "harden off" in late summer, a spray of 1 to 2 quarts of HERBICIDE II in 8 to 25 gallons of water per acre may be applied by air to control certain competing hardwood species such as alder, aspen, birch, hazel, and willow. Since this treatment may cause occasional conifer injury, do not use if such injury cannot be tolerated. Consult your regional or extension forester or state herbicide specialist for recommendations to fit local conditions. For control of hazel brush and similar species in the Lake States area, apply 1-1/3 quarts of product per acre in 8 to 25 gallons of water, when new shoot growth of Hazel is complete.

**Site Preparation: (As Bud-break Spray) -** For control of alder prior to planting seedling apply 1-1/3 to 2-2/3 quarts of product per acre in 8 to 25 gallons of water, after most alder leaves are full size.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal. Protect from freezing. If stored below 32° F and crystals form, warm to 72° F for 24 hours, periodically rolling drum to reconstitute. Do not use, pour, spill or store near heat or open flame.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law and may contaminate groundwater. 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:**

**Metal Containers -** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

**Plastic Containers -** 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—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.