



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 42519-15	2. EPA Product Manager J. Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Luxembourg-Pamol DSMA 4 Liquid Herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Luxembourg-Pamol, Inc. 5100 Poplar Avenue, Suite 2700 Memphis, TN 38137 <input type="checkbox"/> Check if this is a new address	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

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**NOTIFICATION**  
FEB 18 2000

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of Respirator Statement Change per PR Notice 98-9.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Michal Eldan, Ph.D.	Title Director of Regulatory Affairs	Telephone No. (Include Area Code) 901-762-9475
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>M Eldan</i>	3. Title Director of Regulatory Affairs	
4. Typed Name Michal Eldan, Ph.D.	5. Date Jan 25, 2000	

**Application for Registration (cont'd)**

RE: 42519-15

Section II

**NOTIFICATION****EXPLANATION:**

FEB 18 2000

On behalf of Luxembourg-Pamol, Inc., I certify that this notification is consistent with the provisions of PR Notice 98-9 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-9 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

*M. Eldan*

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Michal Eldan, Ph.D.  
Director of Regulatory Affairs

*Jan. 25, 2000*  
\_\_\_\_\_  
Date

NOTIFICATION

FEB 18 2000

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DSMA 4 LIQUID HERBICIDE

Effective Jan. 1, 2000

For Selective Post-Emergent Weed Control in Cotton, Turf and Non-Crop Areas. Contains No Surfactant.

ACTIVE INGREDIENT:

Disodium Methanearsonate\*

24.07%

INERT INGREDIENTS:

75.93%

TOTAL:

100.00%

Total Arsenic, all in water soluble form expressed as elemental 9.84%

\* Product contains 4 pounds Disodium Methanearsonate Hexahydrate equivalent per gallon.

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KEEP OUT OF REACH OF CHILDREN  
 CAUTION  
 See Back Panel For Additional Precautionary Statements

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AGRICULTURAL CHEMICAL  
 DO NOT SHIP OR STORE WITH FOODS, FEEDS, DRUGS, OR CLOTHING

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FOR CHEMICAL SPILL, LEAK, FIRE, OR EXPOSURE, CALL TOLL FREE: 1-800-424-9300

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EPA Reg. No.: 42519-15  
EPA Est. No.: 42519-ISR-1

Manufactured for:  
LUXEMBOURG-PAMOL, INC.  
5100 Poplar Avenue, Suite 2700  
Memphis, TN 38137, USA

NET CONTENTS:

Company  
Logo

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Do not apply this product through any 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.

**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 in 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) 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 to treated areas during the restricted entry interval (REI) of 12 hours.

PPE 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 and socks
- \* protective eyewear

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forest, nurseries, or greenhouses.

Keep children and domestic animals off treated areas until this material has been washed into the soil.

The area being treated must be vacated by unprotected persons.

**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.

**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. If irritation develops, seek medical attention.

**IF INHALED:** Remove victim to fresh air.

**PERSONAL PROTECTIVE EQUIPMENT**

**Applicators and other handlers must wear:**

- \* Long sleeved shirt and long pants
- \* Waterproof gloves
- \* Shoes and socks
- \* Protective eyewear
- \* Chemical resistant apron when cleaning equipment, mixing or loading
- \* For exposure in enclosed areas as a respirator with either, an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23-C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.
- \* For exposure outdoors a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter

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Follow manufacturers 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**

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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.
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#### **ENVIRONMENTAL HAZARDS:**

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 disposal of equipment washwaters. Do not apply when weather conditions favor drift from areas treated.

#### **GENERAL INFORMATION**

DSMA 4 Liquid Herbicide is useful for selective post-emergent weed control, particularly for grassy weeds. Its activity is enhanced by addition of a suitable surfactant (approved for use on growing crops) to the spray solution. It is most effective on young, actively growing weeds at air temperatures above 70°F. Its phytotoxic properties are quickly inactivated on contact with the soil.

#### **MIXING INSTRUCTIONS**

DSMA 4 Liquid 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. Do not store spray solution in tank for a prolonged period, and clean application equipment thoroughly after using by flushing with water. Although DSMA 4 Liquid Herbicide is only moderately corrosive, do not use in galvanized or aluminum equipment.

#### **COTTON**

DSMA 4 Liquid Herbicide is useful as a topical or directed spray application in cotton for post-emergent control of weeds and grasses including johnsongrass, nutsedge, dallisgrass, cocklebur,

ragweed, sandbur and puncture vine. DSMA 4 Liquid Herbicide should be applied to weeds in cotton at the rate of 3 to 4 pints per acre.

If DSMA 4 Liquid Herbicide is to be applied topically (by either ground or aerial application), then a second directed application, one to three weeks after the first, may be made if regrowth occurs.

If DSMA 4 Liquid Herbicide is not applied topically, then one directed application of DSMA 4 Liquid Herbicide may be made followed one to three weeks after the first, with a second directed application of either DSMA 4 Liquid Herbicide or DSMA Liquid.

Do not feed treated foliage to livestock or graze treated areas.

#### **MIXING INSTRUCTIONS**

Topical by ground equipment - Mix 3 to 4 pints of DSMA 4 Liquid Herbicide in 40 gallons of water and add one to two pints of a mild agricultural surfactant cleared for use on growing crops.

Apply only when cotton has 1-2 true leaves to first square.

#### **AERIAL APPLICATION**

Apply at the rate of 3 to 4 pints of DSMA 4 Liquid Herbicide per acre. Mix 3 to 4 pints of DSMA 4 Liquid Herbicide and one pint of a mild agricultural surfactant cleared for use on growing crops in 5 to 10 gallons of water and apply to one acre. Do not apply by air on windy days or in such a manner as will allow spray drift to come in contact with adjacent crops or non-target areas. Do not make topical applications to cotton when drought conditions or temperatures prevail. Apply topically only when cotton has 1-2 true leaves to first square formation.

#### **DIRECTED APPLICATION**

Mix at the rate of 9 quarts of DSMA 4 Liquid Herbicide in 100 gallons of water and add one to two quarts of a mild surfactant cleared for use on growing crops. Apply as a directed spray at a rate of 40 gallons per treated acre. For band applications in 40 inch rows, apply one gallon of spray solution per inch of band width. Slight burning and a reddish discoloration of the cotton leaf may occasionally occur following the recommended treatment, but the cotton plant will develop normally. DSMA 4 Liquid Herbicide should be applied with a low volume sprayer, with satisfactory pumping and by-pass action.

#### **CITRUS**

##### **BEARING AND NONBEARING (Except Florida)**

DSMA 4 Liquid Herbicide is useful as a directed application in citrus orchards, such as orange, grapefruit, tangerine, lemon, and

lime, orange orchards. It should be applied at the rate of 3 1/2 to 6 1/2 quarts per acre. Mix DSMA 4 Liquid Herbicide at the rate of 3 1/2 quarts per acre, plus 1 to 2 quarts of a suitable surfactant cleared for use on growing crops, in 50 gallons of water. Apply as a directed spray in interspaces and around base of trees. Spray unwanted vegetation to just short of run-off. 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.

#### **NON-CROP**

DSMA 4 Liquid Herbicide is useful for controlling johnsongrass, nutsedge, and similar weeds on drainage ditchbanks, rights-of-way, storage yards, and similar non-crop areas. Mix DSMA 4 Liquid Herbicide at the rate of 1 gallon plus 1 quart of a suitable surfactant, in 40 gallons of water. Spray the 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**

DSMA 4 Liquid Herbicide is designed for the selective kill 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 affected, especially in hot weather. Rain or watering will revive them. Bent and fescue grasses are generally more sensitive, and may be temporarily discolored. Zoysia, bluegrasses, and bermuda are tolerant. Do not use on St. Augustine or centipede. Mow lawns 1 to 1.5 inches high before treatment. Mix 3 fluid ounces (6 Tablespoons) of DSMA 4 Liquid Herbicide in 2 1/2 gallons of water, containing 1 ounce of a suitable surfactant, and apply to an area of 1000 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.**



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**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 and 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 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 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 contents as soon as possible to an empty original container.
6. Do not allow runoff to enter sewer or contaminate water spills.
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) adding rinsate to spray tank. 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.

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