



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Biopesticides and Pollution Prevention Division (7501W)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg.  
Number:

70644-1

Date of Issuance:

AUG 12 1998

Term of Issuance: Unconditional

Name of Pesticide Product:

eKsPunge

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Lidochem, Inc.  
20 Village Court  
Hazlet, NJ 07730

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product always refer to the above 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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.

This product is unconditionally registered in accordance with FIFRA sec. 3(c)(5) subject to the comments listed below:

1. Make the following label changes:

- a. Add the phrase "EPA Registration Number 70644-1" to your label before you release the product for shipment.
- b. Add the following as a general statement under the heading Storage and Disposal: "Do not contaminate water, food, or feed by storage and disposal."
- c. The Environmental Hazards statement should be revised to read as follows:  
"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 when cleaning equipment or disposing of equipment washwaters."

(continued on page 2)

Signature of Approving Official:

*JJA see next page*

*8/12/98*

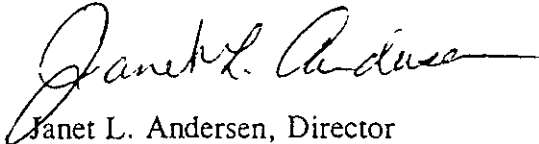
2. Submit five copies of the final printed labeling before you release this product for shipment.

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.

Unconditional registration does not eliminate the need for continual reassessment of a pesticide. If EPA determines, at any time, that additional data are required to maintain in effect, an existing registration, the Agency will require submission of such data under Section 3(c)(2)(B) of FIFRA.

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

Sincerely,



Janet L. Andersen, Director  
Biopesticides and Pollution  
Prevention Division (7511C)

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**CAUTION:** Harmful if swallowed, inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**FIRST AID - STATEMENT OF PRACTICAL TREATMENT**  
**allowed:** Call a physician or Poison Control Center. 1 or 2 glasses of water and induce vomiting by sticking back of throat with finger. If person is unconscious do not give anything by mouth and do not induce vomiting. **If In Eyes:** Flush eyes with plenty of water. Call a physician if irritation persists. **If on Skin:** Wash with plenty of soap and water. Get medical attention if irritation persists. **If Inhaled:** Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**  
 Applicators and other handlers must wear: a long-sleeved shirt, long pants, and shoes plus socks.

**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. Change into clean clothing.

**ENVIRONMENTAL HAZARDS**  
 Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below mean high watermark.

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

**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 in a way that will contact workers or other persons, either directly or through drift. Only protected handlers (long sleeved shirt, long pants, shoes and socks) may be in the area during application. For any requirements 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), 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 (REI) of 4 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, and shoes and socks.

**LidoChem's eKsPunge®**

suppresses existing mildew disease and inhibits further development of new mildew growth on plant tissue. It can be used alone or in an alternate tank-mix fungicidal spray program with other EPA approved fungicides. It is rapidly absorbed by the plant and is mobile within the plant tissues becoming of nutritional value by improving the potassium and phosphorous content in the plant. It therefore acts in a dual role as a fungicide for plant disease control and also as an essential plant food.

**STORAGE AND DISPOSAL**

**STORAGE:** Store product in original container away from children and domestic animals. Do not contaminate water, food or feed by storage or disposal. **PRODUCT DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

See Side/Back Panel for Additional Precautionary Statements

EPA Reg. No. 70644-1 EPA Est. No. 70644-NJ-1

Net Weight (6; 10; 20; 40; 60) Pounds

eKsPunge® is a soluble crystalline powder to be mixed with water for application as a spray. Add the recommended amount of product to a half-filled sprayer tank and mix, then add the balance of required water. Add an approved/compatible "spreader-sticker" to the solution to assure complete spray coverage of plant surfaces. Plant disease pressure can increase when plant surfaces are frequently wet and temperatures are warm. Under these severe disease conditions use the higher recommended spray rate and apply at the shorter spray intervals.

**eKsPunge® for Powdery Mildew Control**

For additional information refer to the paragraph for each crop.

CROP	APPLICATION RATES	COMMENTS
Apples	10 to 20 lbs./100 gals.	Begin at tight cluster and continue every 7-10 days.
Grapes	8 to 20 lbs./100 gals.	Apply 100 to 200 gals./Acre depending on foliage growth, beginning at 3"-5" shoot growth and then at 10 to 14 day intervals.
Cucurbits such as Cucumbers, Melons, Summer & Winter Squash, Watermelon.	5 to 10 lbs./100 gals.	Apply at 7 to 14 day interval from post-bloom to day of harvest. Do not apply when temperatures exceed 85 degrees F.
Mangoes	8 to 20 lbs./100 gals.	6 foliar sprays alternated with an approved fungicide.
Stone Fruits such as Nectarines, Peaches, Cherries, Plums.	5 to 10 lbs./100 gals.	Include in Brown Rot spray schedule.
Peppers, Field/Greenhouse.	10 lbs./100 gals.	Apply at 5 to 7 day intervals.
Roses	5 lbs./100 gals.	Apply at 5 to 7 day intervals.
Tomatoes, Greenhouse	5 lbs./100 gals.	Apply at 5 to 7 day intervals.
Field grown-	5 to 10 lbs./100 gals.	Apply at 7 to 10 day intervals.

\*For each crop apply 100 to 200 gallons of finished spray per acre which is equivalent to approx. 3 gals. of spray per 1,000 sq.ft. or apply to thoroughly spray mist all crop fruits and foliage surfaces.

**IMPORTANT**

**Resistant Powdery Mildew Fungus Strains May Be Present!** If treatment is not effective following use of fungicides as recommended, a resistant strain of the fungus may be present. If this occurs then systemic fungicides such as benzimidazole, thiophanate, or DMI type may not give effective control. When resistant fungus strains are present, serious consideration should be given to the use of eKsPunge® for effective mildew control and crop protection. eKsPunge® controls mildew strains that are resistant to other fungicides and is a valuable "resistance management" tool.

**APPLES**

For Powdery Mildew on Apples use 10 to 20 lbs. of eKsPunge® in 100 gallons of water and thoroughly apply 150 to 200 gallons of mix per acre. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide. Start spraying at "tight cluster" stage and continue spraying every 7 to 10 days until terminal shoots cease their vegetative growth.

**GRAPES**

For control of Powdery Mildew (Uncinula necator) on grapes start treatments in the spring when shoots are 3 to 5 inches in length and when the disease is usually anticipated. Mix 8 to 20 lbs. in 100 gallons of water and apply 100 to 200 gallons of finished spray per acre (use the greater amount for heavily foliated vines). When eKsPunge® is used alone, or when required for better spray coverage on waxy or rough leaves, add an approved compatible spreader/sticker to the spray solution. Repeat every 10 to 14 days. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide.

**CUCURBITS**

**FOR USE ON GREENHOUSE AND OPEN FIELD GROWN CUCUMBERS, MELONS, SUMMER AND WINTER SQUASH AND WATERMELONS.**

To inhibit the disease growth of Powdery Mildew (Sphaerotheca fuliginea) on the above listed crops apply 5 to 10 lbs. of eKsPunge® per 100 gallons of water and apply 100 to 200 gallons of finished spray per acre when plants begin to run or when disease first appears and repeat at 7 to 14 day intervals as needed. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide. Under conditions of severe disease pressure, use the higher rate and apply at 7 day intervals. For best results avoid application when temperatures are over 90°F and humidity is high. For greenhouse use, shading may be required.

**MANGOES**

**Powdery Mildew** - Apply 10 to 20 lbs. of eKsPunge® in 100 gallons of water and apply 100 to 200 gallons of finished spray per acre and make a thorough spray coverage. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide. Begin application at first appearance of bloom panicles, (approx. 2 inches long) and repeat at weekly intervals until all fruit are set. If required continue at 2 to 3 week intervals until shoot growth ceases which should be about 6 sprays.

**STONE FRUITS**

**FOR USE ON PEACHES, NECTARINES, PLUMS, CHERRIES.**

For the Control of Powdery Mildew on Stone Fruits as listed apply 5 to 10 lbs. of eKsPunge® in 100 gallons of water and apply 100 to 200 gallons of finished spray per acre as a tank mix in your regular spray program for Brown Rot. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide. Begin application at first appearance of disease and repeat at weekly intervals until all fruit are set.

**TOMATOES**

**Greenhouse Grown:** For powdery mildew control apply at the rate of 5 lbs. per 100 gallons of water and apply 3 gallons of finished spray per 1,000 sq.ft. at 5 to 7 day intervals. The addition of a suitable approved spreader sticker will improve spray coverage. Shading may be needed to reduce temperatures during spraying. **Field Grown:** For powdery mildew control on field grown tomatoes, apply 5 to 10 lbs. per 100 gals. of water and apply 100 to 200 gallons of finished spray per acre. Begin applications when disease first appears and repeat at 7 to 10 day intervals as needed. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide.

**PEPPERS**

**Field and Greenhouse Grown:** For local and systemic enhanced control of Powdery Mildew (Leveillula taurica) on field and greenhouse grown peppers eKsPunge® can be used at a rate of 8 1/2 to 10 lbs./100 gallons and apply 100 to 200 gallons of finished spray per acre (3 gallons per 1,000 sq.ft. in the greenhouse) at a 5 to 7 day interval. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide for that purpose.

**ROSES**

For the control of Powdery Mildew on Roses apply at the rate of 5 lbs. of eKsPunge® per 100 gallons of water and apply 100 to 200 gallons of finished spray per acre. Incorporate eKsPunge® into your regular spray schedule (tank mix) or alternate with another EPA approved fungicide. Apply at 5 to 7 day intervals as needed for control. Use a spreader sticker in the spray. **NOTICE:** This product conforms to its chemical description and is reasonably fit for the purpose stated on the label, when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer and/or seller and the buyer assumes the risk of any such use. (expunge-epa-am7.p8507-10-98.)

**LidoChem, Inc.**  
 20 Village Court - Hazlet, NJ 07730 U.S.A.