



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

December 5, 2023

Philip Wright, Administrator for Agriculture and Consumer Protection
Texas Department of Agriculture
P.O. Box 12847
Austin, TX 78711

Subject: FIFRA 24(c) Registration –SLN Acknowledgment Letter
SLN Registration Number: TX240001
EPA Decision Number: 594648
SLN Expiration Date: December 31, 2028
Parent EPA Reg. No.: 1015-79
Product Name: ProFume

Dear Mr. Wright:

This letter acknowledges receipt of the above-listed Special Local Need (SLN) registration pursuant to Section 24(c) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. The SLN registration permits use of ProFume (sulfuryl fluoride) for fumigation of packaged US Agency for International Development (USAID) commodities (Corn Soy Blend and Super Cereal Plus) for export only to control various insect pests. USAID is experiencing a lack of adequate pesticide products able to meet the export fumigation requirements of the destination countries. Previously relied-upon phosphine is no longer allowed. USAID is supporting this SLN in order to have a US based tool (fumigant) for the control of insects in packaged food assistance products solely for export to countries in Africa and the Middle East.

The Agency has completed a review of this use and acknowledges the State's special local need registration. Please inform the registrant that we have placed a copy of the SLN label in our files. If you have any questions, please contact Andrea Conrath by phone at (202)566-2568 or via email at conrath.andrea@epa.gov.

Sincerely,

ERIC
BOHNENBLUST

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BOHNENBLUST
Date: 2023.12.05
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Eric Bohnenblust, Ph.D., Branch Chief
Minor Use and Emergency Response Branch
Registration Division / Office of Pesticide Programs

cc: USEPA Region 6: Amy Camacho
Monica Smith, Tribal Coordinator

RESTRICTED USE PESTICIDE
DUE TO ACUTE INHALATION TOXICITY OF SULFURYL FLUORIDE

For sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification. An applicator certified by the state must be present on site at all times during introduction of fumigant, reentry prior to aeration, and initiation of the aeration procedure.

FIFRA 24(c) Special Local Need Label (SLN)

**For Distribution and Use Only in the State of Texas at the Port of Houston for
Fumigation of Packaged US Agency for International Development (USAID) Commodities (Corn
Soy Blend and Super Cereal Plus) for Export Only**

EPA Reg. No. 1015-79

ProFume®

SLN TX240001



**This label expires and must not be distributed or used in accordance with this SLN registration
after December 31, 2028**

Directions for Use

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This state-specific Section 24(c) labeling must be in the possession of the user at the time of application.
- Follow all applicable directions, restrictions, and precautions on the EPA registered label for EPA Reg. No. 1015-79.

Special Local Need-specific application instructions are as follows:

Oversight for Export

1. Fumigation services relating to containers exported from the U.S. may be subject to oversight by the USDA, USAID as well as local and state agencies who operate as an extension to USDA-APHIS guidelines.
2. Prepare a fumigation management plan according to the label.
3. For export services, prepare a fumigation certificate after fumigation is completed successfully post aeration.

Fumigation Preparation

1. Ensure commodity and space temperatures are verified per label requirements. Higher temperatures, 68 deg. F and above, are recommended for treatment of insects, larvae and eggs.

2. Inspect container to ensure it is empty other than contents to be fumigated. Ensure that there is adequate open space available to allow fumigant movement within the container.
 - a. USDA quarantine treatments require that not more than 80% of the container is filled with at least 20% open space to allow movement of fumigant in the container.
3. Seal all known holes, vents, hatches, and gaps with approved sheeting, adhesive, and/or tape. Sealing materials should be weatherproof.

Application: Fumigation Schedule (Fumiguide™ Program or Similar)

Sulfuryl Fluoride (ProFume® Gas Fumigant) Treatment Schedule *				
Commodity Temperature	Exposure Period	Target Dosage (g-h/m³)	Initial Concentration	Pounds per 1,000 CF/M³
30° C/86° F or above	32 hours	780 CT	53 g/m ³	3.4 pounds per 1,000 cubic feet
25° C/77° F or above	32 hours	1179 CT	81 g/m ³	5 pounds per 1,000 cubic feet
20° C/68° F or above	32 hours	1478 CT	101 g/m ³	6.3 pounds per 1,000 cubic feet

Douglas Products Fumiguide™ Program is an "approved third party system."

The Fumiguide can be used to record monitoring readings and calculate total accumulated CT.

*The pests for which ProFume is used in the table include all life stages (egg, larva, pupa and adult) of pests such as Indian meal moth, Mediterranean flour moth, flour beetles, saw toothed grain beetle, warehouse beetle, granary weevil, rice weevil, cigarette beetle, cocoa moth, bean weevil, cowpea weevil, almond moth, rust red grain beetle, drugstore beetle, hide beetle, lesser grain borer and rats and mice.

If the target pest is outside of the scope above, the Fumiguide must be used for the dosage and treatment of the commodity.

Fumigant Introduction and Monitoring Sulfuryl Fluoride

1. Place sampling and appropriate pressure rated (refer to labels) introduction (shooting) lines secured and directed to the open space on top of commodity in center of the container.
2. Place a minimum of two monitor sampling lines inside the container. The monitor lines should be in the center of the commodity and in the headspace.
3. Monitor fumigant levels in the work area according to label directions. At any time during the hold time the concentration falls below the recommended half loss time (HLT), additional fumigant must be applied to reach the target dosage. This data should be obtained and recorded within the first 4-8 hours.

4. Monitor product concentration inside container according to label, customer, and country requirements.
 - The first concentration reading should be taken within 60 minutes after fumigant introduction. Second and third reading should be every 2 hours. The minimum would be the first concentration reading taken within 60 minutes of fumigant introduction, a second reading taken an hour after the initial reading, and a final reading taken prior to opening the container and initiating the aeration process. Consult the Fumigation Management Plan or Fumiguide™ Program or similar for the half loss time (HLT) and efficacy.
5. Input the monitoring data into the Fumiguide™ Program or similar to calculate accumulated dosage and obtain the fumigation status. Prior to opening the container, a final concentration must be taken and verified by the Fumiguide™ Program or similar, that the target dosage has been achieved.

Aeration/Clearance of the Container

1. Aerate the container according to label directions.
2. SCBA Respiratory protection is required when the concentration of the fumigant is above 1 ppm or unknown.
3. Ensure the final concentration reading and efficacy has been achieved.
4. Document the start time of aeration as required by country, customer, and label.
5. Monitor final reading of aerated container to ensure it is clear of fumigant according to label requirements.

Release Container to Customer

1. Secure containers according to customer and/or country requirements.
2. Ensure that the proper plastic or metal security seal matches the container's unique identification number.
3. Provide Fumigation Certificate to customers.

Douglas Products and Packaging Company
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