



8596-29

05/16/2000

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

MAY 16 2000

Mr. Steven J. Ziegenfuss
Kemin Industries, Inc.
2100 Maury St., Box 70
Des Moines, IA 50301-0070

Dear Mr. Ziegenfuss:

Subject: Grain Savor
EPA Registration No.8596-29
Label Amendment
Your Application dated March 24, 2000

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

1. Correct the type size for the Signal Word "DANGER" and "KEEP OUT OF REACH OF CHILDREN" as shown in 40 CFR 156.10(h)(1)(iv). Additionally move the "KEEP OUT OF REACH OF CHILDREN" to above the Signal Word, "DANGER". These two statements must not appear on the same line.

2. Repeat the Signal Word at the beginning of the specific precautionary statements under Hazards to Humans and Domestic Animals (Refer to 40CFR 156.10(h)(2)(i)(A)).

3. Comply with PR Notice 2000-3 by changing "STATEMENT OF PRACTICAL TREATMENT" to read, "FIRST AID" and change the statements to read:

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Directly below the First Aid Statements in PRN 2000-3 is the recommended format and placement of Emergency Phone Numbers on the label.

3. Under **Directions for Use**, move the misuse statement to appear as the first sentence (Refer 40CFR 156.10(i)(2)(ii)).

Submit one (1) copy of your final printed label before you release the product for shipment. A stamped copy of the label is enclosed for your records.

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.

Sincerely,

15/
Cynthia Giles-Parker
Product Manager (22)
Fungicide Branch
Registration Division (7505C)

Enclosure:

DIRECTIONS FOR USE

Grain SAVOR is a fungicide for the control of molds and fungi in stored corn, oats, barley, wheat, or sorghum. It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read the entire label. Use strictly in accordance with precautionary statements and directions for use. Do not use on grain that may be used for seed or malting. Determine the moisture content of freshly harvested grain and treat within four (4) hours of harvest. Apply treatment at recommended rates dependent upon the moisture content, type and length of storage. Use the KEMIFLO® applicator, or applicator equipment compatible with propionic acid. Apply in the form of a spray. Monitor the equipment, preservative flow, and grain throughput to insure proper application. Use the following tables to determine proper rate of application:

RECOMMENDED RATE OF Grain SAVOR PER TON OF MOIST CORN IN COVERED STORAGE

Duration	Moisture Content of Corn, Percent by Weight				
	Up to 14.9%	15 to 17.9%	18 to 20.9%	21 to 30.9%	31 to 35%
Up to 6 months*	2 lbs/ton	4 lbs/ton	12 lbs/ton	18 lbs/ton	24 lbs/ton
Up to 12 months	3 lbs/ton	6 lbs/ton	18 lbs/ton	24 lbs/ton	30 lbs/ton

* Not recommended if grain is to be kept in storage beyond May 1.

RECOMMENDED RATE OF Grain SAVOR PER TON OF MOIST SORGHUM, WHEAT, OATS OR BARLEY IN COVERED STORAGE**

Moisture Content of Grain, Percent by Weight	Lbs Grain SAVOR Per Ton Grain
10	3
12	6
14	12
16	16
18	20
20	23
22	26
24	29
26	32
28	35
30	38
32	41
34	44
36	47

**These rates protect stored sorghum, wheat, oats or barley up to 12 months.

Wood and concrete structures are ideal covered storage facilities for Grain SAVOR-treated grain. Do not store in upright tile, stave, or concrete bunker silos, or on the ground in plastic covered piles. Protect metal and concrete surfaces against corrosion. Be sure all concrete or dirt floors are covered with plastic (4-6 mil thickness). Seal and construct pit or trench storage areas to prevent water entry.

RECOMMENDED RATE OF Grain SAVOR PER TON OF MOIST CORN IN OPEN STORAGE***

Moisture Content of Corn, Percent by Weight	Lbs Grain SAVOR per Ton of Corn
Up to 14	6
16	12
18	18
20	23
22	26
24	29
26	32
28	35

*** Grain SAVOR used on moist corn stored in the open shall be limited to the following areas: Nebraska (excluding S.E. corner), Western Kansas, Western Oklahoma, Texas Panhandle, Eastern New Mexico, Eastern Colorado and S.E. Wyoming.

All such corn must be fed out before May 1 of the following spring.

Acceptable outdoor storage areas are bunkers, pits, or slabs with concrete or asphalt floors, do not store grain on dirt surfaces. Dirt or wooden walls must be lined with plastic. Do not cover grain surface. Seal and construct storage areas to prevent water entry and slope floor area for drainage. Store in long, rounded piles.



Grain SAVOR®

LIQUID

PRODUCT 04310

ACTIVE INGREDIENT: Propionic Acid51%
 INERT INGREDIENTS:49%
 TOTAL100%

ACCEPTED with COMMENTS
In EPA Letter Dated:
MAY 16 2000

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No.

8596-29

This product contains 8.18 lbs (3.71 kg) Grain SAVOR per gallon.

FOR HIGH MOISTURE GRAIN - EASY TO USE -
 KEEP OUT OF REACH OF CHILDREN - DANGER

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Causes burns and irreversible eye damage. Do not get in eyes, on skin or on clothing. If swallowed, inhaled or absorbed through skin. Avoid working near high concentrations of spray/mist or vapor. Use with adequate ventilation. Wear goggles, face shield or safety glasses. Wear chemical-resistant gloves, chemical-resistant aprons, and chemical-resistant footwear and goggles or face shield when loading application equipment unless a closed loading system is used. Avoid breathing vapor or spray/mist. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention. IF ON SKIN: Immediately wash with plenty of soap and water. Get medical attention. IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration preferably mouth to mouth. Get medical attention.

KEMIN INDUSTRIES, INC.

2100 Maury St., Box 70
 Des Moines, IA 50301-0070 U.S.A.
 1-800-777-8307

KEMIN INDUSTRIES, INC. - EPA Registration No. 8596-29
 Des Moines, IA 50301-0070 U.S.A. - EPA Est. 8596-IA-001

24-hr. Emergency Contact: Chemtrec (800) 424-9300

NET WT. 55 gallons (450 LB - 204.12 KG)

IF SWALLOWED: Do not induce vomiting. Rinse mouth. Get immediate medical attention.

Note to physician: Probable mucosal damage may occur.

TO SUCCESSFULLY STORE GRAIN, THE FOLLOWING:

1. Remove all leaf and stem particles from grain before storage.
2. Clean all storage areas and harvesting machinery.
3. Treatment inhibits germination. Do not use on seed.
4. Apply an approved anti-corrosive and acid-resistance treatment to prevent corrosion.
5. Do not treat in the rain. If rain does fall on untreated grain, re-treat for moisture content before continuing treatment.
6. Apply in the form of a spray as directed and wash equipment after each use.
7. Do not mix treated grain and untreated grain or feed.
8. Do not store treated grain on bare dirt floors.
9. Check grain in storage frequently for signs of heating. Aeration must be available.
10. Follow established management practices for grain storage.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Store in a warm, dry place.
PESTICIDE DISPOSAL: Pesticide wastes are acutely toxic. Improper disposal of spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the usual methods, contact your State Pesticide or Hazardous Waste representative at the nearest EPA Regional Office.
CONTAINER DISPOSAL: Triple rinse (or equivalent) and dispose of in a sanitary landfill, or by other acceptable method.

WARRANTY

The manufacturer makes no warranties, expressed or implied, that extend beyond the description on the face hereof, when used as directed. The manufacturer neither makes nor authorizes any representation or including warranties of fitness for a particular purpose concerning this material. This product is sold only as directed. No claim of any kind, whether or not based on negligence, shall be made against the manufacturer or distributor in respect of which such a claim is liable for special, indirect or consequential damages. This warranty does not extend to, and the buyer shall not be held liable for, any claims which result from the use of this product in any manner not shown on the label, warnings, or cautions.

PRODUCT COLOR CHANGE WILL NOT AFFECT EFFICACY

LOT NO. 12345



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