

pm 22 8596-24

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MAR 16 1993

Christopher E. Nelson, Ph.D.
Kemin Industries, Inc.
2100 Maury Street, Box 70
Des Moines, Iowa 50301

Dear Dr. Nelson:

Subject: Amendment - Delete Animal Feed Restriction
Kem Prop
EPA Reg No 8596-24
Your Submission Dated October 12, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that the following changes are made:

(1) Include the following protective clothing label requirements: "Wear chemical-resistant gloves, chemical-resistant aprons, chemical-resistant footwear and goggles or face shield when loading application equipment unless a closed loading system is used. Avoid working near high concentrations of spray/mist vapor. Use with adequate ventilation. Wash thoroughly after handling."

(2) Under Environmental Hazards, add "Do not contaminate water when disposing of equipment wash waters."

Five copies of the finished labeling must be submitted prior to releasing the product for shipment.

A stamped copy of the subject labeling is enclosed for your records.

Sincerely,

by Cynthia L. Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure		CONCURRENCES					
SYMBOL	H7505C						
SURNAME	D. W. Wilson						
DATE	3-9-93						

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KEM PROP LIQUID

For high moisture grain to be used as a livestock or poultry feed. Kem Prop is easy to use, university researched, used by profit-minded growers. Protect all you raise with Kem Prop.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Kem Prop must be applied in the form of a spray. Use the Kemlin applicator. Be sure the applicator is properly calibrated. Use the following tables to determine proper rate of application.

RECOMMENDED RATE OF PROPIONIC ACID TON OF MOIST CORN IN COVERED STORAGE

Moisture content of corn, percent by weight

Duration of Storage	Up to 20%	21 to 30%	31 to 35%
Up to 6 months*	8 lbs. or 1 gallon	12 lbs. or 1 1/2 gallons	16 lbs. or 2 gallons
Up to 12 months	12 lbs. or 1 1/2 gallons	16 lbs. or 2 gallons	20 lbs. or 2 1/2 gallons

*Not recommended if grain is to be stored after May 1.

RECOMMENDED RATE OF PROPIONIC ACID FOR OPEN STORAGE OF MOIST CORN

Moisture content of grain, percent by wt.

Moisture content of grain, percent by wt.	Lbs. acid ton corn	Gals. acid ton corn
16	11	1.3
18	13	1.6
20	15	1.8
22	17	2.0
24	19	2.3
26	21	2.5
28	23	2.8

Kem Prop 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 or before May 1 of the following spring. Acceptable storage areas are bunkers, pits, or slabs with concrete or asphalt floors. Dirt or wooden walls must be lined with plastic. Do not cover the surface. Seal and construct storage areas to prevent water entry and slope floor area for drainage. Store in long rounded piles. Treatment should be made within four (4) hours of harvest.

RECOMMENDED RATE OF PROPIONIC ACID TON OF MOIST SORGHUM, WHEAT, OATS OR BARLEY IN COVERED STORAGE

RATE OF PROPIONIC ACID FOR COVERED STORAGE OF MOIST GRAINS*

Moisture content of grain, percent by wt.	Lbs. acid ton of grain	Gals. acid ton of grain
16	11	1.3
18	13	1.6
20	15	1.8
22	17	2.0
24	19	2.3
26	21	2.5
28	23	2.8
30	25	3.0
32	27	3.3
34	29	3.5
36	31	3.7

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



ACCEPTED with COMMENTS in EPA Letter Dated:

MAR 16 1993

Under the Federal Insecticide, Fungicide, and Rodenticide Act for the use of this product under EPA Reg. No. 8596-24

KEM PROP

LIQUID

PRODUCT 04331

ACTIVE INGREDIENT: PROPIONIC ACID 100%

For high moisture grain to be used as livestock or poultry feed.

**KEEP OUT OF REACH OF CHILDREN
DANGER - CORROSIVE**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER CORROSIVE Causes eye irritation and severe eye damage. Causes severe skin burns and eye damage. Causes respiratory irritation. Avoid contact with skin and eyes. Wash thoroughly with soap and water. Avoid contamination of food.

FIRST AID In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. For eyes, call a physician immediately. If swallowed, drink water. Do not induce vomiting. If inhaled, get fresh air. If on skin, wash with plenty of water. If on clothing, remove clothing. If on face, wash with plenty of water. If on hands, wash with plenty of water. If on clothing, remove clothing. If on face, wash with plenty of water. If on hands, wash with plenty of water.

NOTE TO PHYSICIAN This product is a caustic irritant. It may cause severe eye damage. Measure against the use of this product. Respiratory irritation and severe eye damage may be treated.

ENVIRONMENTAL HAZARDS Keep out of lakes, ponds, or streams.

PHYSICAL AND CHEMICAL HAZARDS Do not use near heat or open flame.

**KEMIN INDUSTRIES, INC.
DES MOINES, IA 50317 U.S.A.**

**EPA REGISTRATION NO. 8596-24
EPA EST. 8596-01**

BEST AVAILABLE

3 of 3

ACCEPTED
with COMMENTS
In EPA Letter Dated:

MAR 16 1993

Under the Federal Insecticide
PROP
for the Insecticide
under EPA

8596-24

331

PROPIONIC ACID 100%

Use on grain
and poultry food.

**CHILDREN
DANGEROUSLY
CORROSIVE**

TOXIC TO AQUATIC ANIMALS
Avoid contact with eyes, nose or mouth. Wear
eye protection. Avoid contact with skin.
If water for at least 15 minutes. For
skin, wash with soap and water. If these
symptoms occur, call a physician immediately.
In case of eye contact, use of gastric lavage. Measure
carefully.

Propionamide

REGISTRATION NO. 8596-24
EPA EST. 8596-1-01

**MANAGEMENT OF HIGH MOISTURE GRAIN
WITH KEM PROP LIQUID**

Read entire label. Use in accordance with precautionary statements and directions.
FEED GRAINS—Kem Prop is for the sole control of mold and fungi on grain for animal feed. Use Kem Prop on corn, rice, wheat, barley and oats. Do not use on grain which might be used for seed or malting. If grain is sold at high moisture levels, grain may be discounted due to moisture levels.

**TO SUCCESSFULLY STORE GRAIN, THE FOLLOWING
MANAGEMENT STEPS MUST BE FOLLOWED:**

1. Remove all leaf and stem particles from grain before storing.
2. Clean all storage buildings and harvesting machinery of old grain and dirt.
3. Wash all interior storage areas, wagons, trucks, rail cars and grain barges with a solution of 4 (four) ounces of Kem's Bin Sweet in a gallon of water.
4. Treat all high moisture grain with Kem Prop. Apply in the form of a spray. Use Kem's approved Applicator* to apply the Kem Prop.
5. Treat all grain and interior storage areas with an approved insecticide.
6. Take temperature of the grain daily until grain is properly cooled. Aeration must be available.
7. Kem's system for the holding of high moisture grain takes careful attention.
8. Treat only whole kernel grains.
9. Do not store treated grain and non-treated grain in the same storage structure.

*Larger size applicators are available.

STORAGE AND DISPOSAL

1. Precautions: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Keep out of drains, streams, and ponds.
2. Pesticide Disposal: Pesticide spray mixture or residue that cannot be used chemically or mixed should be disposed of in a safe place. Do not use for pesticides or buffer in a safe place away from water supply.
3. Container Disposal:
 - A. Pesticide container and label for recycling, reuse, or disposal. Do not reuse or recycle.
 - B. Triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in approved landfill or bury in a safe place.
4. General: Consult federal, state or local disposal authorities for approved alternative procedures.

**PRODUCT COLOR CHANGE WILL NOT
AFFECT PERFORMANCE**

Kemin Industries, Inc.
2100 Maury St.
Des Moines, IA 50317



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