

8596-24

10-06-2010

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

Jill Hyda  
Regulatory Affairs Manager  
Kemin AgriFoods North America, Inc.  
2100 Maury Street  
Des Moines, IA 50317-1100

OCT 6 2010

Subject: KEM PROP Liquid  
EPA Reg. No. 8596-24  
Your amendment dated August 20, 2010  
EPA Decision Number 401184 (CSF); 439571 (Label)

Dear Ms Hyda:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable.

One copy of the label stamped "Accepted" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label before the product is released for shipment.

The revised basic Confidential Statement of Formula (CSF) dated 8/20/2010 referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable. This CSF supersedes all CSFs previously accepted for this product.

If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at westin.robert@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Shaja Joyner".

Shaja Joyner  
Product Manager (20)  
Fungicide Branch  
Registration Division (7504P)

Enclosure

**KEM PROP Liquid**



**PRODUCT 004331-45-US**

<b>ACCEPTED</b>
<b>OCT 6 2010</b>
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 8596-24

**KEM PROP is a fungicide for the control of molds and fungi in high-moisture grain (oats, corn, barley, wheat, and sorghum).**

<b>ACTIVE INGREDIENT: Propionic Acid.....</b>	<b>99.5%</b>
<b>OTHER INGREDIENTS.....</b>	<b>0.5%</b>
<b>TOTAL.....</b>	<b>100.0%</b>

**This product contains 8.26 pounds of propionic acid per gallon.**

**KEEP OUT OF REACH OF CHILDREN  
DANGER PELIGRO**

**Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)**

**FIRST AID**

**IF IN EYES:** Hold eyelids 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 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 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.

**Note to physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**NOTE:** Have a product container or label with you when calling a poison control center, doctor, or going for treatment.

**For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site: [www.npic.orst.edu](http://www.npic.orst.edu)).**

## **PRECAUTIONARY STATEMENTS**

### **Hazards to Humans and Domestic Animals**

**DANGER:** Corrosive. Causes irreversible eye damage. Do not get in eyes or on skin or clothing. Harmful if absorbed through skin. Harmful if swallowed. Harmful if inhaled. Avoid breathing vapor or spray mist. Avoid working near high concentrations of spray mist/vapor. Use with adequate ventilation.

### **PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Wear chemical-resistant gloves made of any waterproof material, chemical-resistant apron, chemical-resistant footwear and goggles or face shield when loading application equipment unless a closed loading system is used. Applicators must wear protective eyewear, chemical-resistant gloves made of any waterproof material, long sleeved shirt and long pants, and shoes with socks.

### **USER SAFETY REQUIREMENTS**

Wash thoroughly with soap and water after handling. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### **USER SAFETY RECOMMENDATIONS**

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should 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.

### **ENVIRONMENTAL HAZARDS**

For terrestrial uses, 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 disposing of equipment washwater or rinsate.

### DIRECTIONS FOR USE

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 seed which might 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 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 KEM PROP PER TON OF MOIST CORN IN COVERED STORAGE

Duration of Storage	Moisture Content of Corn, Percent by Weight		
	Up to 20%	21 to 30%	31 to 35%
Up to 6 months*	8 lbs or 1 gal	12 lbs or 1½ gal	16 lbs or 2 gal
Up to 12 months*	12 lbs or 1½ gal	16 lbs or 2 gal	20 lbs or 2½ gal

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

### RECOMMENDED RATE OF KEM PROP PER TON OF MOIST SORGHUM, WHEAT, OATS OR BARLEY IN COVERED STORAGE\*\*

#### RATE OF KEM PROP FOR COVERED STORAGE OF MOIST GRAINS

Moisture Content of Grain, Lbs KEM PROP per Ton of Grain, Gals KEM PROP per Ton of Grain

Percent by Weight		
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.

Wood and concrete structures are ideal covered facilities for KEM PROP-treated grain. Do not store in upright tile, stave, or concrete bunker silos, or on 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 KEM PROP PER TON OF MOIST CORN IN OPEN STORAGE\*\*\***

Moisture Content of Grain, Lbs KEM PROP per Ton of Corn, Gals KEM PROP per Ton of Corn  
Percent by Weight

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 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.

**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 areas and harvesting machinery of old grain and dirt.
3. Treatment inhibits germination. Do not use on seed which might be used for seed or malting. Grains treated with propionic acid may be classified as 'sample grade' due to odors from chemical treatment.
4. Apply an approved anti-corrosive and acid-resistant coating to all metal and concrete storage surfaces to prevent corrosion.
5. Do not treat in the rain. If rain does fall on untreated grain, allow the rain to soak into the pile and test for moisture content before continuing treatment.

6. Apply in the form of a spray as directed and wash applicator equipment thoroughly with water after each use.
7. Do not mix treated grain and untreated grain or forages in the same storage area.
8. Do not store treated grain on bare dirt floors.
9. Check grain in storage frequently for signs of heating internally or moisture build-up on the surface. Aeration must be available.
10. Follow established management practices in the handling and storage of grain.

#### **STORAGE AND DISPOSAL**

Do not contaminate food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a warm, dry place above 10° F to prevent freezing.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Offer for reconditioning, if appropriate. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

For non-emergency Kemin product inquiries, please call Customer Service at 1-800-752-2864 between the hours of 7 a.m.-4:30 p.m. Central Standard Time, Monday - Friday.

For Chemical Emergency ONLY (spill, fire, exposure or accident), call the CHEMTREC 24-hour toll free number at 1-800-424-9300.

### WARRANTIES

The manufacturer makes no warranties, expressed or implied, concerning this product or its use, which extend beyond the description on the face hereof. All statements made concerning this product apply only when used as directed.

The manufacturer neither makes nor authorizes any agent or representative to make any other warranties, including warranties of fitness for a particular purpose or merchantability, guarantee or representation, concerning this material. This product is sold only on the basis that the buyer assumes all risks of use or handling which result in loss or damage and which are beyond the manufacturer's control.

No claim of any kind, whether or not based on negligence, shall be in greater amount than the purchase price of the material in respect of which such a claim is made. To the extent consistent with applicable law, neither manufacturer nor seller shall be liable for special, indirect or consequential damages resulting from the use or handling of this material.

This warranty does not extend to, and the buyer shall be solely responsible for, any and all loss or damage which results from the use of this product in any manner which is inconsistent with the label directions, warnings, or cautions.

**PRODUCT COLOR CHANGE WILL NOT AFFECT PERFORMANCE.  
FOR AGRICULTURAL USE ONLY.**



LOT NO.: \_\_\_\_\_  
MFG DATE: \_\_\_\_\_

NET WT.: 6.02 gallons (50 LB – 22.68 KG)

EPA Registration No. 8596-24    EPA Est. 8596-IA-001

**KEMIN INDUSTRIES, INC.**  
2100 Maury Street  
Des Moines, IA USA 50317

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