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10 / 22 / 2010 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

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OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

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

OCT 2 2 2010

Subject:

Grain Shield®

EPA Reg. No. 8596-33

Your amendment dated August 16, 2010

EPA Decision Number 401163

Dear Ms Hyda:

The revised basic and alternate Confidential Statements of Formula (CSF) dated 8/13/2010 referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended are acceptable. These CSFs supersede all CSFs previously accepted for this product. A copy of the Product Chemistry Review dated October 7, 2010 is enclosed for your records.

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.

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

Sincerely,

Product Manager (20)

Fungicide Branch

Registration Division (7504P)

Enclosure

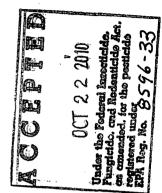
Grain SHIELD® Liquid



PRODUCT 014714-49-US

Grain SHIELD is a fungicide for the control of molds and fungi in high-moisture grain (oats, corn, barley, wheat and sorghum) that will be used as animal feed.

ACTIVE INGREDIENT: Propionic Acid	72.0%		
OTHER INGREDIENTS			
TOTAL	100.0%		
This product contains 6.49 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. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals
DANGER: Corrosive, causes irreversible eye damage. Do not get
in eyes. Harmful if absorbed through the skin. Do not get in eyes
or on clothing. Avoid contact with skin. Wear protective eye
wear (goggles, face shield, safety glasses), long sleeved shirt,
long pants, shoes, socks, and chemical resistant gloves (such as

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.

or made out of any waterproof material, selection category A).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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 cleaning equipment or disposing of equipment wash waters.

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 grain that may be used for seed, human food, or malting.

Determine the moisture content of grain and treat within 4 hourse of harvest for on farm storage and/or prior to transport and storage. Apply in the form of a spray. Properly calibrate the KEMIFLO® applicator (or other applicator equipment compatible with propionic acid usage) before applying Grain SHIELD. Apply this product at the specified application rates.

APPLICATION RATE OF Grain SHIELD PER TON OF MOIST CORN, SORGHUM, WHEAT, OATS OR BARLEY IN COVERED STORAGE*

Moisture Content, Percent by Weight

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Duration	Below 15.5%	15.5-20%	21-30%
Up to 4 weeks*	2 lbs/ton	4 lbs/ton	8 lbs/ton
Up to 6 months*	4 lbs/ton	8 lbs/ton	12 lbs/ton
Up to 12 months	6 lbs/ton	12 lbs/ton	. 16 lbs/ton
*Not recommended	if grain is to be ke	ept in storage be	vond May 1.

Wood and concrete structures are ideal covered storage facilities for Grain SHIELD-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.

APPLICATION RATE OF Grain SHIELD PER TON OF MOIST CORN, SORGHUM, WHEAT, OATS OR BARLEY IN OPEN STORAGE**

Moisture Content, Percent by Weight

Duration	Below 15.5%	15.5-20%	21-30%
Up to 4 weeks	4 lbs/ton	6 lbs/ton	10 lbs/ton
Up to 6 months	8 lbs/ton	12 lbs/ton	16 lbs/ton
Up to 12 months	12 lbs/ton	18 lbs/ton	24 lbs/ton

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, malting, or human food. 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. ເ
- 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.
- ** It is recommended that open storage shall be limited to the following areas of low precipitation:

Nebraska (excluding S.E. corner), Western Kansas, Western Oklahoma, Texas Panhandle, Eastern New Mexico, Eastern Colorado and S.E. Wyoming. All such grain 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.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Store in a warm, dry place above 40° 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 1/4 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 following limitations of warranty shall apply to the extent they are consistent with applicable law.

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. In no event shall manufacturer or seller 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.



LOT NO.:	1.4 			
NET WT.: 49.89 gallons (450 LB-204.12 KG)				
EPA Registration	No. 8596-33	EPA Est. 8596-IA-001		
KEMIN INDUSTRIE 2100 Maury Street Des Moines, IA US				

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