

8596-33



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

1/7

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

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

OCT 22 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,


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

Enclosure

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Grain SHIELD® Liquid

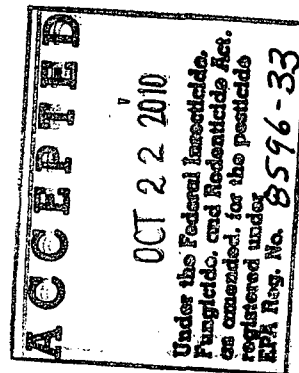


PRODUCT 014714-49-US

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.....	28.0%
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 or made out of any waterproof material, selection category A).

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.

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 hours 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*

Duration	Moisture Content, Percent by Weight		
	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 kept in storage beyond 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**

Duration	Moisture Content, Percent by Weight		
	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.
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.

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.: _____
MFG DATE: _____

NET WT.: 49.89 gallons (450 LB-204.12 KG)

EPA Registration No. 8596-33 EPA Est. 8596-IA-001

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

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