



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 18, 2015

Trisha Kopta
Product Stewardship Specialist
Dow Microbial Control
The Dow Chemical Company
1803 Building, Midland, MI 48674

Subject: Notification per PRN 98-10 – Add refillable container disposal statements and revise Limited Warranty and Disclaimer.
Product Name: Propionic Acid, Grain Preserver Grade
EPA Registration Number: 464-711
Application Date: May 1, 2015
Decision Number: 504911

Dear Ms. Kopta:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

If you have any questions, you may contact Aswathy Balan at 703-347-0510 or via email at balan.aswathy@epa.gov.

A handwritten signature in black ink that reads "Shaja B. Joyner".

Shaja B. Joyner, Product Manager 20
Fungicide-Herbicide Branch
Registration Division 7505P

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
DANGER

KEEP OUT OF REACH OF CHILDREN
CORROSIVE - CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. • HARMFUL AND CORROSIVE IF SWALLOWED • HARMFUL IF INHALED OR ABSORBED THROUGH SKIN

Do Not Get In Eyes, On Skin, On Clothing • Do Not Swallow • Avoid Breathing Vapors or Mist • Wear Safety Goggles And/Or Face Shield • Wear Protective Clothing And Chemical Resistant Gloves • Wash Thoroughly With Soap And Water After Handling • Remove Contaminated Clothing and Wash Before Reuse • Avoid Working Near High Concentrations Of Spray Mist/Vapor • Use Adequate Ventilation • 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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not discharge effluent containing this active ingredient into lake waters unless this product is specifically identified and addressed in a NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of EPA.

PHYSICAL AND CHEMICAL HAZARDS
COMBUSTIBLE! Keep away from heat and open flame.

STORAGE AND DISPOSAL

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

Product Storage:

Keep away from heat and open flame. Keep container closed during storage.

PRODUCT DISPOSAL: Product wastes are acutely hazardous. Improper disposal of excess product, spray mixture, or rinseate 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 HANDLING

Nonrefillable Container: Do not reuse or refill this container. Triple or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Refillable container: Refill this container with Propionic Acid only. Do not reuse this container for any other purpose. Cleaning of the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty contents into application equipment and triple rinse. Pour or pump rinseate into application equipment or rinseate collection system. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Propionic Acid, Grain Preserver Grade

An inhibitor for control of molds and fungi in cowpea hay, peanut hay, peavine hay and soybean hay and high-moisture stored corn, oats, barley, wheat or sorghum to be used as livestock or poultry feed.

Active Ingredient:

Propionic Acid¹ 99.5%
 Inert Ingredients: **0.5%**

¹This product meets specifications as set forth in the **100%**
 Food Chemicals Codex Compendium.

FIRST AID

IF IN EYES:	<ul style="list-style-type: none"> Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> 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:	<ul style="list-style-type: none"> 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.
IF SWALLOWED:	<ul style="list-style-type: none"> Call a poison control center or a doctor immediately for treatment advice. Give one cup (8 ounces or 240 mL) of water or milk if available and transport to a medical facility. DO NOT INDUCE VOMITING. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

HOT LINE NUMBER

IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect (989)636-4400. Have the MSDS, and if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.

Produced for: E.P.A. Reg. No. 464-711
 E.P.A. Est. 10352-TX-1

The Dow Chemical Company
 Midland, Michigan 48674 U.S.A.
 (989)636-4400

®™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow.

Made in U.S.A.		Net Contents: Drum or Tote			
CONTAINER SIZE	CONTAINER SIZE	CONTAINER SIZE	SHIPPING	PROPIONIC	
DRUM PLASTIC	DRUM STEEL	TOTE	NAME	ACID	
208 kg / 458.6 lb	202 kg / 445.3 lb	564.7 kg / 1,245 lb	HAZARD	ID NUMBER	PG II
NET WEIGHT	NET WEIGHT	NET WEIGHT	CLASS 8, 3	UN3463	

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its label. Read entire label. Use strictly in accordance with precautionary statements and directions for use.

General Directions

Use treated grain for animal feed only. Treatment inhibits germination; do not use on grain intended for seed or malting, or for use in human foods. Grain preserved with propionic acid is classified as "sample grade" due to persistent odors from chemical treatment. Do not store treated grain with untreated grain or forage in the same storage area. Thoroughly clean all storage areas prior to use. Apply anti-corrosive paint to all metal and concrete storage surfaces to prevent corrosion and grain molding due to acid neutralization.

WEATHERPROOF STORAGE OF HIGH-MOISTURE GRAINS

Follow all General Directions given above. Protect grain from outside moisture in metal or wooden bins, converted cribs, Quonset huts, or other roofed buildings. Waterproof floor; ventilate headspace to prevent condensation in storage area. Do not store in upright tile, stave, or concrete silos, bunker silos, or on ground in plastic-covered piles.

Follow normal aeration procedures to prevent moisture condensation and migration. Use the treatment rates as given in the following tables: Determine moisture content of freshly harvested grain and treat within 4 hours of harvest. Adjust treatment rate as detailed below depending on moisture content and type or length of storage. Do not treat in the rain. Allow rain to soak into the pile and test for moisture content before continuing treatment. Thoroughly mix acid and grain by spraying acid on grain in auger while moving to storage. Stop auger immediately if spray failure occurs. Establish auger throughput and set flowmeter to apply proper rate of acid. Apply this product only at the recommended rates. Flush out application and handling equipment with water after acid application is completed.

RECOMMENDED RATES OF PROPIONIC ACID/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 gallon	12 lbs. or 1.5 gallons	16 lbs. or 2 gallons
Up to 12 months	12 lbs. or 1.5 gallons	16 lbs. or 2 gallons	20 lbs. or 2.5 gallons

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

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

Moisture Content of Grain, Percent by Wt.	Rate of Propionic Acid for Covered Storage of Moist Grains	
	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.

NOTIFICATION

464-711

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

06/18/2015

OUTDOOR STORAGE OF HIGH-MOISTURE CORN GRAIN ONLY

Follow all General Directions given above. Unprotected large pile storage is recommended only in the following areas of low-precipitation: Nebraska (excluding SE corner) Western Kansas, Western Oklahoma, Texas Panhandle, Eastern New Mexico, Eastern Colorado and SE Wyoming. Corn grain stored in this manner must be fed out before May First. Bunkers, pits, or slabs are accepted storage facilities, provided:
 • the floors are concrete or asphalt; do not store grain on dirt surfaces.
 • any dirt or wood walls should be lined with plastic; do not cover grain surface with plastic.
 • seal and construct storage areas to prevent water entry; slope floor area for drainage.
 Plan storage for maximum access. Feed out corn along one side of bunkers or pits; or by rotation around slab piles.
 Use the following treatment rates, testing moisture content of each load and treating within 4 hours of harvest. Do not treat or store grain over 28% moisture content.

Moisture Content of Grain, Percent by Wt.	Rate of Propionic Acid for Open Storage of Moist Corn	
	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

Treated grain should be stored in long, rounded piles. Avoid peaks and valleys, smooth footprints and other depressions. Temperature Monitoring. Sharp increases in grain temperature signal potential spoilage. Thermocouple or hand temperature probes are suggested. They may be placed at various spots around the pile and should be read weekly. Localized melting of snow or frost, steam, and seepage are other indicators of spoilage.

STORAGE OF COWPEA HAY, PEANUT HAY AND SOYBEAN HAY

This product may only be used during the baling process if appropriate baler equipment is used which prevents exposure of non-target organisms to this product. Do not apply to pre-harvest hay and straw, cut hay and straw in the field prior to baling, or to hay and straw after it has been baled. Apply product to the hay and straw as it is fed into the baler, using the rates on this label. The baler application equipment must prevent drippage and drift, and must function properly and be used/maintained in accordance with the manufacturer's written operation instructions. Propionic acid is applied undiluted to hay with a low-pressure spray system equipped with adequately arranged and calibrated nozzles to hay just prior to baling. The application rate is 8 - 31 pounds/ton of the active ingredient.

Notice: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the Directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.