



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 20, 2021

Ken Haut
Product Stewardship Manager
Dow Industrial Solutions
715 E. Main Street
East End Office 4C341
Midland, MI 48674

Subject: Notification per PRN 98-10 – Label Changes from Company Transfer
Product Name: Propionic Acid, Grain Preserver Grade
EPA Registration Number: 94530-1
Application Date: October 17, 2019
Decision Number: 559987

Dear Ken Haut:

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 actions requested fall within the scope of PRN 98-10.

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

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact please contact Derek Corbin at 703-347-8903 or by email at Corbin.Derek@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Debra Rate".

Debra Rate, Ph.D., Senior Regulatory Specialist
Invertebrate & Vertebrate Branch 2
Registration Division (7505P)
Office of Pesticide Programs

NOTIFICATION

94530-1

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:

09/20/2021

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 (AI):

Propionic Acid*	99.5%
Other Ingredients	0.5%
Total	100%

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

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 this label, find someone to explain to you in detail)

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	
<p>IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect (989)636-4400.</p> <p>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.</p>	

SEE **FRONT** PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

E.P.A. Reg. No. **94530-1**

E.P.A. Est. No. 93017-TX-1

Produced for:



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	DRUM PLASTIC	DRUM STEEL	TOTE
NET WEIGHT	208 kg / 458.6 lb	202 kg / 445.3 lb	564.7 kg / 1,245 lb
SHIPPING NAME	UN3463 PROPIONIC ACID, 8, 3, PGII		

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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. Wear safety goggles and/or face shield. Wear protective clothing and chemical resistant gloves. **Do not** swallow. Avoid breathing vapors or mist. Avoid working near high concentrations of spray mist/vapor. Use adequate ventilation. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Goggles and/or face shield
- Chemical resistant aprons
- Chemical resistant gloves
- Chemical resistant shoes plus socks.

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.

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.

Product Instructions

Use treated grain for animal feed only. Grain preserved with propionic acid is classified as "sample grade" due to persistent odors from chemical treatment.

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.

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.

Flush out application and handling equipment with water after acid application is completed.

Apply this product only at the **specified** rates indicated below.

Product Restrictions:

Do not use on grain intended for seed or malting; treatment inhibits germination.

Do not use on grain intended for human foods.

Do not store treated grain with untreated grain or forage in the same storage area.

Do not treat in the rain; allow rain to soak into the pile and test for moisture content before continuing treatment.

OUTDOOR COVERED STORAGE OF HIGH-MOISTURE GRAINS

Follow **Product Instructions** 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. Follow normal aeration procedures to prevent moisture condensation and migration.

Restrictions:

Do not store in upright tile, stave, or concrete silos, bunker silos, or on ground in plastic-covered piles.

Determine moisture content of freshly harvested grain and treat within 4 hours of harvest. Adjust treatment rate as detailed in tables below depending on moisture content and type or length of storage.

PROPIONIC ACID RATES/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 gallon	16 lbs or 2 gallons	20 lbs or 2.5 gallons

****Do not** use if grain is to be stored after May 1st

PROPIONIC ACID RATES/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. Al/ton of grain	gals. Al/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.

OUTDOOR OPEN STORAGE OF HIGH-MOISTURE CORN GRAIN ONLY

Follow all **Product Instructions** given above.

Unprotected large pile storage is restricted to 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 1st. Bunkers, pits, or slabs are accepted storage facilities, provided: **The floors are concrete or asphalt; Any dirt or wood walls should be lined 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. Treated corn grain should be stored in long, rounded piles. Avoid peaks and valleys, smooth footprints and other depressions.**

Restrictions:

- Do not** store corn grain on dirt surfaces.
- Do not** cover corn grain surface with plastic
- Do not** treat or store corn grain over 28% moisture content.

Use the following treatment rates, testing moisture content of each load and treating within 4 hours of harvest.

Rate of Propionic Acid for Open Storage of Moist Corn		
Moisture Content of Grain, Percent by Wt.		
	lbs. AI/ton corn	gals. AI/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

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. 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. **Per the below treatment rates,** 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.

Restrictions:

Do not apply to pre-harvest hay and straw or cut hay and straw in the field prior to baling.

Do not apply to hay and straw after it has been baled.

Do not treat or store hay over 30% moisture content.

PROPIONIC ACID RATE FOR COWPEA HAY, PEANUT HAY AND SOYBEAN HAY

	Moisture Content. Percent by Weight.			
	11-15%	16-20%	21 to 25%	26-30%
lbs. AI/ton	2.5 lbs.	5.0 lbs	10 lbs	20 lbs

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 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 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 rinsate into application equipment or rinsate 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.

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.