



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505C)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number: 46059-1

Date of Issuance: AUG 10 2004

Terms of Issuance: Conditional

Name of Pesticide Product: Propionic Acid 68%

NOTICE OF PESTICIDE:

- XX Registration
Reregistration
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Chemorse
11152 Aurora Avenue
Urbandale, IA 50322

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce.

On the basis of information furnished by the registrant, this product is conditionally registered under the Federal Insecticide, Fungicide and Rodenticide Act as amended. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency.

This product is conditionally registered in accordance with FIFRA Section 3(c)(7)(A) provided that you

- 1. Submit and/or cite all data required for registration of your product under FIFRA Section 3(c)(5) when the agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA Section 4.
2. Make the following label change before you release the product for shipment:
a. Revise the EPA Registration Number to read "EPA Reg. No. 46059-1"
b. In the list of ingredients, remove the asterisks from the heading "OTHER INGREDIENTS"
c. Increase the size of the signal word "DANGER/PELIGRO" to at least 18 pt type.
3. Submit one copy of the final printed label before releasing the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions

A copy of your label stamped "Accepted with comments" is enclosed for your records.

Signature of Approving Official:

[Signature]

Date:

AUG 10 2004

Cynthia Giles-Parker, Product Manager (22)
Fungicide Branch, Registration Division

PROPIONIC ACID 68%
Mold Inhibitor for Stored Grains and Forage Hay

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.

ACTIVE INGREDIENTS:

Propionic Acid	68.0%
OTHER INGREDIENTS**:	32.0%
TOTAL:	100.0%

46059-1

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 it to you in detail.)

FIRST AID

IF IN EYES:

- Hold eye 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 eye.
- 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.

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further 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.

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

HOT LINE NUMBER - You may also contact 1-800-424-9300 for emergency medical treatment information.

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

See inside booklet for additional precautionary statements.

EPA Reg. No. 46059-xx

EPA Est. No. xxxxx-xx-xxx

NET CONTENTS:

MANUFACTURED FOR:
Chemorse, Ltd.
11152 Aurora Avenue
Urbandale, Iowa 50322

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage. Do not get in eyes. Wear protective eyewear (goggles, face shield, or safety glasses). Harmful if swallowed or absorbed through skin. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Wear chemical-resistant gloves, chemical resistant aprons, long-sleeved shirt and long pants, chemical resistant footwear, and goggles or face shield when loading application equipment unless a closed system is used. Avoid working near high concentrations of spray mist/vapor. Use with adequate ventilation. Wash thoroughly after handling.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water.

USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on 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 washwaters.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Do not apply product through any type of irrigation system.

GENERAL INFORMATION

One gallon = 8.89 lbs/gallon. 1 lb. of product is equivalent to 14 fluid ounces of PROPIONIC ACID 68%.

PROPIONIC ACID 68% is a buffered propionic acid for use as a preservative in processing high moisture hay, corn, grain silage (barley, corn oat, sorghum and wheat), haylage, and feed blends. It can be used post harvest on alfalfa, Bermuda grass, bluegrass, brome grass, clover, cowpea hay, fescue, lespedeza, lupines, orchard grass, peanut hay, Peavine hay, rye grass, soybean hay, sudan grass, timothy, and vetch.

FOR USE ON CORN: Spray PROPIONIC ACID 68% on the corn using the application rate indicated in the chart below:

GRAIN	MOISTURE	RATE
Ear Corn	28 – 34%	4-5 lb/ton
Shelled Corn	24 – 30%	4-6 lb/ton

1. Make sure the silo does not have any cracks or holes that will allow air leakage.
2. Harvest at full dent and at the proper moisture level:
 Ground ear corn: 28-34% moisture
 Cracked or rolled corn: 24-30% moisture
3. Ensilage rapidly with uniform distribution in the silo and all kernels cracked.
4. Apply at the correct rate based on the moisture content.
5. Pack well for good fermentation. Seal off with plastic sheeting. It is good practice to feed off of the top four feet before sealing as good compaction is not possible near the top.

FOR USE ON HAY: Spray PROPIONIC ACID 68% on the hay as it is fed into the baler using the application rate indicated in the chart below:

MOISTURE %	SMALL SQUARE AND LARGE ROUND BALES	LARGE SQUARE BALES
<22% Stem moisture	4 #/ton	6 #/ton
<22% Dew moisture	2 #/ton	3 #/ton
22-26% Stem moisture	8 #/ton	10 #/ton
22-26% Dew moisture	6 #/ton	8 #/ton
27-30% Stem moisture	16 #/ton	Do not bale
27-30% Dew moisture	12 #/ton	16 #/ton

1. Avoid baling if the windrow moisture exceeds 30 percent.
2. Always check the hay moisture level before baling high moisture hay.
3. For rained on hay or poorly ventilated storage, increase the application rate by 4-5 #/ton.
4. Make sure that the spray nozzle's openings and placement are such that good coverage is obtained.
5. Make sure that the storage area for the baled hay is well ventilated.
6. Do not store untreated dry hay on top of treated wet hay.

FOR USE ON SILAGE, HAYLAGE, AND FEED BLENDS: Spray PROPIONIC ACID 68% on crop at chopper intake or blower intake using the application rate indicated by the chart below:

CROP	MOISTURE %	RATE
Corn Silage	60-70%	2-3 #/ton
Small Grain Silage	60-70%	2.5-3.5 #/ton
Haylage	50-70%	2.5-3.5 #/ton
Feed Blend (short term storage)	-	2-4 #/ton (increase rate to increase stability)

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Seal tightly. Do not store in direct sunlight.

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: Triple rinse (or equivalent). 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.

WARRANTIES AND PRECAUTIONS

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 concerning this product apply only when used as directed. This product will not harm paint or equipment on limited contact. Constant or prolonged contact may damage some paints. If propionic acid type products, even when buffered, are directly applied to vegetation they may cause stunting of forage growth.