

	<b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> <b>Office of Pesticide Programs</b> <b>Registration Division (7505P)</b> <b>Ariel Rios Building</b> <b>1200 Pennsylvania Ave., NW</b> <b>Washington, D.C. 20460</b>	EPA Reg. Number:  62719-24	Date of Issuance:  JUL 28 2008
		Term of Issuance:	
		Name of Pesticide Product:  2,4-D Acid Molten Technical	
<b>NOTICE OF PESTICIDE:</b> <input type="checkbox"/> Registration <input checked="" type="checkbox"/> Reregistration (under FIFRA, as amended)			
Name and Address of Registrant (include ZIP Code): Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1054			
<b>Note:</b> 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. In any correspondence on this product always refer to the above EPA registration number.			
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is reregistered in accordance with FIFRA 4(g)(2)(c) provided that you :</p> <ol style="list-style-type: none"><li>1) A Note to Physician must be added to the label which reads "Probable mucosal damage may contraindicate the use of gastric lavage."</li><li>2) Per the product chemistry review, the storage and disposal section must be revised to include the subheading "Pesticide Disposal" and the appropriate text from PR Notice 83-3.</li></ol> <p>Submit one copy of the revised final printed label for the record. 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 stamped copy of the label is enclosed for your records.</p>			
Signature of Approving Official:  Joanne I. Miller Product Manager 23 Herbicide Branch Registration Division (7505P)		Date:  JUL 28 2008	

# 2,4-D Acid Molten Technical Herbicide

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
JUL 28 2008

**Active Ingredient:**

2,4-Dichlorophenoxyacetic acid† .....74.8%  
Inert Other Ingredients .....25.2%  
Total .....100.0%

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

† Isomer Specific by AOAC Method No. 978.05 (15th Ed.)

60719-24

## DANGER

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### Precautionary Statements

#### Hazards to Humans and Domestic Animals

**Corrosive • Causes Irreversible Eye Injury • Harmful If Swallowed, Inhaled Or Absorbed Through Skin**

Do not get in eyes or on clothing. Avoid contact with skin or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or smoking. When handling this product, wear eye protection (face shield or safety glasses), and chemical resistant gloves. Remove and wash contaminated clothing before reuse.

#### 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 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 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 mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

#### Environmental Hazards

This product is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. this product is specifically identified and addressed in an 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 the EPA.

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#### Directions for Use

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It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**For Manufacturing Use Only**

~~For Formulation Into An Herbicide for Use Only On The Following~~ Only for formulation into an herbicide for the following uses: **Crops:** corn (field corn, popcorn and sweet corn), sorghum (grain sorghum (milo) and forage sorghum), small grains (wheat, oats, barley, millet and rye), rice, soybeans (preplant), sugarcane, grass pastures, rangeland, fallow cropland and crop stubble, areas in the conservation reserve program, grass seed crops, orchard floors (apple, pear, fruit, citrus, and nut); ~~And For The Following Non-Crop Uses:~~ turf (including lawns, golf courses, cemeteries, parks, airfields), roadsides, noncropland areas including rights-of-way, railroads, drainage ditch banks, fence rows, tree injection treatments, forest site preparation, forest conifer release, woody plant control in non-cropland areas and aquatic weed control.

Wettable powder formulations must be packaged in water-soluble packages.

This product may be used to formulate products for specific use(s) not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding support of such use(s).

Note: Because of their properties and intended uses, formulations containing 2,4-D Acid may require precautionary labeling differing from that given. Formulators should develop their own use and precautionary labeling, based on the properties and intended uses of their own finished formulations, and in accordance with all pertinent laws and regulations.

Formulators using this product are responsible for obtaining EPA registration for their formulated products. Refer to Dow AgroSciences for instructions for formulation and other information.

This product can only be used to formulate pesticide products if the labeling contains the following information and/or revised use directions. All products manufactured for residential and turf uses after June 15, 1994, must contain the revised label language below. All other products (i.e., agricultural, industrial and aquatic) manufactured after October 23, 1993 must bear the revised label language below. All other products released for shipment on or after October 1, 2005 must bear revised labeling complying with the maximum application rates for general non-crop sites; tree, brush and woody plant control on rights-of-way; and forestry use patterns other than site preparation, if registered for such uses.

**General Requirements For End-Use Product Labeling**

1. Containers over 1 gallon and less than 5 gallons in capacity must bear the following statements:  
"Persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron."
2. Containers of 5 gallons or more in capacity must also bear the following statement: "Do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal."

**Specific Requirements For End-Use Product Labeling****1. For Agricultural Uses**

- a. ~~Clothing Requirements Statements:~~ "When mixing, loading or applying this product or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses); chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes. It is recommended that safety glasses include front, brow and temple protection. For aerial applicators in an enclosed cockpit and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required."
- b. ~~Personal Hygiene Statements:~~ "Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product. Wash hands, face and arms with soap and

water before eating, smoking or drinking. Wash hands and arms before using the toilet. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application for this product without cleaning first. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower."

- c. The maximum application rate to pasture and rangeland is the lower of 1) existing application rate on currently registered label or 2) 2 pounds 2,4-D acid equivalent per acre per application site.
- d. The maximum application rate to forestry site preparation is the lower of 1) existing application rate on currently registered label or 2) 4 pounds 2,4-D acid equivalent per acre per application site. The maximum rate to all forestry sites is the lower of 1) existing application rate on currently registered label or 2) 4 pounds 2,4-D acid equivalent per acre per application site.
- e. A reentry interval is required and should be in accordance with the Worker Protection Standards, 40 CFR parts 156 and 170.

## 2. For Industrial/Aquatic Uses

- a. Clothing Requirements Statements: "When mixing, loading or applying this product or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses), chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes. It is recommended that safety glasses include front, brow and temple protection. For aerial applicators in an enclosed cockpit and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required."
- b. Personal Hygiene Statements: "Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product. Wash hands, face and arms with soap and water before eating, smoking or drinking. Wash hands and arms before using the toilet. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application for this product without cleaning first. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower."
- c. The maximum application rate to general non-crop sites is the lower of 1) existing application rate on currently registered label or 2) 2 pounds 2,4-D acid equivalent per acre per application site. The maximum non-crop application rate for tree, brush and woody plant control on rights of way is the lower of 1) existing application rate on currently registered label or 2) 4 pounds 2,4-D acid equivalent per acre per application site. The maximum seasonal application rate to non-crop sites is 4 pounds 2,4-D acid equivalent per acre per application site.

## 3. For Residential And Turf Sites (Excluding Sod Farms)

- a. Clothing Requirement Statements: 1) For All Granular Products: "When using this product, wear long-sleeved shirt, long pants, socks and shoes." 2) Products registered for use on residential and other turf sites (excluding sod farms) by homeowners and other non-commercial users, and for commercial mixer/loader/applicators when the product is to be applied to a golf course, amine products applied in liquid form and carrying "CAUTION" signal word only must bear the following language: "When using this product, wear long-sleeved shirt, long pants, socks shoes and rubber gloves." 3) Products registered for use on residential and other turf sites (excluding sod farms) by homeowners and other non-commercial users, and for commercial mixer/loader/applicators when the product is to be applied to a golf course, amine products applied in liquid form and carrying "WARNING" or "DANGER" signal word only must bear the following language: "When using this product, wear long-sleeved shirt, long pants, socks shoes, rubber gloves and eye protection. It is recommended that safety glasses include front, brow and temple protections." 4) Products registered for use on residential and for other turf sites (excluding sod farms) by homeowners and other non-commercial users, and for commercial mixer/loader/applicators when the product is to be applied to a golf course; acid, sodium salt and ester products applied in liquid form and carrying "CAUTION" signal word only must bear the following language: "When using this product, wear long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves." 5) Products registered

for use on residential and other turf sites (excluding sod farms) by homeowners and other non-commercial users, and for commercial mixer/loader/applicators when the product is to be applied to a golf course; acid, sodium salt and ester products applied in liquid form and carrying "WARNING" or "DANGER" signal word only must bear the following language: "When using this product, wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection." 6) Products registered for use on residential and other turf sites (excluding sod farms) by commercial mixer/loader/applicators (except when the product is to be applied to a golf course), all products applied in liquid form and carrying "CAUTION" signal word only must bear the following language: "When mixing, loading, or applying this product, wear long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves." 7) Products registered for use on residential and other turf sites (excluding sod farms) by commercial mixer/loader/applicators (except when the product is to be applied to a golf course), all products applied in liquid form and carrying "WARNING" or "DANGER" signal word only must bear the following language: "When mixing, loading, or applying this product, wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and eye protection. It is recommended, that safety glasses include front, brow and temple protection."

- b. **Personal Hygiene Statements:** 1) For All Granular Products: "After using this product, remove clothing and launder separately before reuse and promptly and thoroughly wash hands and exposed skin with soap and water."; 2) For All Liquid Products: "After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water." Remove saturated clothing as soon as possible and shower.
- c. The maximum application rate to turf is the lower of 1) existing application rate on currently registered label or 2) 2 pounds 2,4-D acid equivalent per application per site. The maximum number of broadcast applications per treatment site is 2 per year.
- d. The following reentry statement must be included: "Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried or dust has settled."

**(Storage and Disposal for rigid containers 5 gal or less):**

**Storage and Disposal**

**Prohibitions:** Open dumping is prohibited. Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Keep container tightly closed when not in use. This product can be stored in an unheated building.

**Container Reuse:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. 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 (Not Applicable):** This product is a solid at room temperature and becomes a molten liquid when heated. Product is stored or transported as bulk material and utilized as a heated liquid in the formulation process.

**General:** Consult federal, state or local disposal authorities for approved alternative procedures.

**(Storage and Disposal for refillable rigid containers larger than 5 gal):**

**Storage and Disposal**

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

**Pesticide Storage:** Keep container tightly closed when not in use. This product can be stored in an unheated building.

**Container Reuse:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning 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 the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**(Storage and Disposal for nonrefillable rigid containers larger than 5 gal):**

**Storage and Disposal**

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

**Pesticide Storage:** Keep container tightly closed when not in use. This product can be stored in an unheated building.

**Container Reuse:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

Triple rinse or pressure 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. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**(Storage and Disposal for nonrigid containers, any size):**

**Storage and Disposal**

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

**Pesticide Storage:** Keep container tightly closed when not in use. This product can be stored in an unheated building.

**Container Reuse:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

**Warranty Limitations and Disclaimer**

Dow AgroSciences warrants that at the time of delivery, the product will conform to its chemical description on the label, that it will pass without objection in the trade under the contract description, that seller will convey good title thereto, and that such product will be delivered free from any lawful security interest, lien or encumbrance.

To the extent permitted by law, this is the only warranty made on this product. To the extent permitted by law, Dow AgroSciences EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND, EXCEPT AS SET FORTH

IN THE ABOVE PARAGRAPH, ANY OTHER EXPRESS OR IMPLIED WARRANTIES. To the extent permitted by law, buyer acknowledges the use of its own independent skill and expertise in the selection and use of the product and does not rely on any oral or written statements or representations.

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

Manufacturing Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-24

EPA Est. \_\_\_\_\_

Produced for Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

**Herbicide**

**Net Weight** \_\_\_\_\_

## **2,4-D Acid Molten Technical**

EPA Reg. No. 62719-24

### **Registration Notes:**

**Source label text** based on EPA accepted text dated July 23, 2003. Proposed changes by amendment:

1. The following sections have been revised in accordance with the 2,4-D RED: precautionary statements per acute toxicity data cited for the RED, Environmental Hazards, MUP statements
2. Changed "inert" to "other" and removed isomer text in the ingredient statement
3. Revised crop/use listing in accordance with labels
4. Updated Storage and Disposal per EPA Standards for Pesticide Container & Containment; Final Rule - effective October 16, 2006 (Federal Register notice August 16, 2006).
5. Added Produced for to DAS address
6. Moved generic descriptor under product name
7. Revised warranty language



## 2,4-D Acid Molten Technical

EPA Reg. No. 62719-24

### Registration Notes for Previous Labeling Actions:

**Source label text** based on EPA accepted text dated July 23, 2003. Proposed changes by amendment:

1. The following sections have been revised in accordance with the 2,4-D RED: precautionary statements per acute toxicity data cited for the RED, Environmental Hazards, MUP statements
2. Changed "inert" to "other" and removed isomer text in the ingredient statement
3. Revised crop/use listing in accordance with labels
4. Updated Storage and Disposal per EPA Standards for Pesticide Container & Containment; Final Rule - effective October 16, 2006 (Federal Register notice August 16, 2006).
5. Added Produced for to DAS address
6. Moved generic descriptor under product name
7. Revised warranty language

**Acute tox data cited from 2,4-D Batching Acute Mammalian Toxicity Batching Appendix for 2,4-D RED dated January 9, 2007. PC code 030063.**

**Acute Oral – Cat III**

**Acute Dermal – Cat III**

**Acute Inhalation – Cat III**

**Eye Irritation – Cat I**

**Dermal Irritation – Cat IV**

**Dermal Sens – Negative**

**Final printed labeling** based on EPA accepted text dated May 16, 2003 (See Registration Notes for June 16, 2003) and July 23, 2003. The EPA-accepted copy dated July 23, 2002 bears the following conditions of acceptance:

1. The implementation paragraph required under the 2,4-D Exposure Reduction Agreements of 1992 is revised as follows (required text that was added is underlined): This product can only be used to formulate pesticide products if the labeling contains the following information and/or revised use directions. All products manufactured for residential and turf uses after June 15, 1994, must contain the revised label language below. All other products (i.e., agricultural, industrial and aquatic) manufactured after October 23, 1993 must bear the revised label language below. All other products released for shipment on or after October 1, 2005 must bear revised labeling complying with the maximum application rates for general non-crop sites; tree, brush and woody plant control on rights-of-way; and forestry use patterns other than site preparation, if registered for such uses.
2. Any product released for shipment after August 1, 2004 must bear this revised label.

### **Changes by Amendment EPA-accepted 07-23-03:**

1. Added maximum use rates for forestry and non-crop sites consistent with use patterns supported by the Industry Task Force II on 2,4-D Research Data.

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**Final printed labeling** based on EPA accepted text dated May 16, 2003

### **Changes by Amendment EPA-accepted 05-16-03:**

1. **First aid statements** revised in accordance with PR-Notice 2001-1.
2. Added "Directions for Use" header

3. Moved "Storage and Disposal" box to end of "Directions for Use" section.

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**Current label text based on EPA-accepted copy dated 11/20/92 and Notification letter 04/13/95,** additional changes in accordance with current EPA policy or instructions, PR Notice 94-1 and changes required by company name change.

**Proposed Changes by Amendment:**

1. Revised ingredients statement in accordance with proposed CSF.
2. Revised placement of signal word per recent guidance from EPA Labeling Team. Signal word need not be repeated in Precautionary Statements when all precautionary information appears on the front panel of the label.
4. Deleted KOROC statement since it is not required for manufacturing-use products.
3. Revised Precautionary Statements in accordance with the following acute toxicity categories:

Oral LD50	Cat III
Dermal LD50	Cat III
Dermal Irritation	Cat IV
Eye Irritation	Cat I
Inhalation	Cat III
Dermal Sensitization	Neg.

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**Final Printed Labeling Via Notification 04/13/95:** Label text based on EPA-accepted copy dated 11/20/92, and additional changes in accordance with current EPA policy or instructions.

**Revisions:**

1. Per EPA policy for technical and manufacturing use products, added the listing of EPA-accepted use patterns for which end-use products may be formulated from this product.

**For Manufacturing Use Only:**

**For Formulation Into An Herbicide for Use Only On The Following Crops:** corn, Sorghum (milo), small grains (wheat, oats, barley and rye), rice, soybeans (preplant), sugarcane, grass pastures, rangeland, fallow cropland, areas in the conservation reserve program, grass seed crops, orchard floors (apple, pear, fruit, citrus, and nut); **And For The Following Non-Crop Uses:** turf (including lawns, golf courses, cemeteries, parks, airfields), roadsides, noncropland areas including rights-of-way, railroads, drainage ditch banks, fence rows, tree injection treatments, forest site preparation, forest conifer release, woody plant control in non-cropland areas and aquatic weed control.

2. **General Requirements For End-Use Product Labeling (Item #2):** Handling Directions for containers of 5 gallons or more which must be included on labels of end-use product formulated from 2,4-D Acid were revised as per EPA correspondence dated 01/26/95. These instructions were revised as follows (added text shown by underline):
  2. Containers of 5 gallons or more in capacity must also bear the following statement: "Do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal."