

61272-1

10/10/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Mr. William M. Mahlborg  
Manager, Regulatory Affairs  
Nufarm USA, Inc.  
2300 Frederick Avenue, Suite 208  
St. Joseph, MO 64506

OCT 10 2003

Dear Mr. Mahlborg:

Subject: 2,4-D Isooctyl Ester Technical  
Registration No. 61272-1  
Application and Letter Dated September 30, 2003,  
Request to Amend Registration To Add Maximum Use  
Rates for Forestry and Non-Crop Sites To Label, and  
Revised First Aid Labeling Required by PR Notice 2001-  
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The labeling referred to above, associated with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that the "implementation paragraph", required under the 2,4-D Exposure Reduction Agreement of 1992, is revised as indicated in **bold** as follows:

"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 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.**"

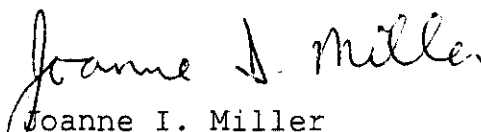
In addition, this label is accepted with the following stipulation: "The Agency is accepting the labeling changes based on your certification that no additional changes, aside from the maximum use rates for forestry and non-crop sites, and First Aid Statements have been made to the label. **Any other labeling changes, except revised First Aid Statements, submitted in connection with this amendment application have not been reviewed or accepted by the Agency.** If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way."

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

A stamped copy of the label is enclosed for your records. When this technical or manufacturing use product is released for shipment on or after August 1, 2004, it must bear this revised labeling. Please submit one copy of the final printed label before you release the product for shipment.

Sincerely yours,

A handwritten signature in cursive script that reads "Joanne I. Miller".

Joanne I. Miller  
Product Manager 23  
Herbicide Branch  
Registration Division (7505C)

Enclosure



ACCEPTED  
WITH COMMENTS  
In File Date  
OCT 10 2003  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
61272-1

# 2,4-D Isooctyl Ester Technical

## FOR MANUFACTURE OF HERBICIDES ONLY

### ACTIVE INGREDIENT:

Isooctyl (2-ethylhexyl) Ester of 2,4 -  
Dichlorophenoxyacetic acid\* ..... 98.00%\*  
INERT INGREDIENTS: ..... 2.00%  
TOTAL: ..... 100.00%

\*Isomer specific AOAC Method, Equivalent to  
2,4-Dichlorophenoxyacetic acid 65.0%, 6.1 lbs./gal.

## KEEP OUT OF REACH OF CHILDREN CAUTION

See Below For Additional Precautionary Statements

EPA REG. NO. 61272-1  
EPA EST. NO. \_\_\_\_\_

NET CONTENTS \_\_\_\_ GALS. ( \_\_\_\_ L)

EXP09/03

For Chemical Emergency, Spill, Leak, Fire, Exposure or  
Accident, Call CHEMTREC Day or Night 1-800-424-9300

<b>If Inhaled:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If on Skin or Clothing:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the container or label with you when calling a poison control center or doctor or going for treatment. You may also call 877-325-1840 for emergency medical treatment information.	
<b>Note to Physician:</b> No specific antidote is available. All treatments should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.	

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Avoid inhalation of vapors and contact with skin, eyes and clothing.

## ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or 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. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

## DIRECTIONS FOR USE

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

## STORAGE AND DISPOSAL

**STORAGE:** Always use original container to store pesticides in a cool, dry secured warehouse or storage building. Do not store near seeds, fertilizers, insecticides or fungicides. Containers should be

FIRST AID	
<b>If in Eyes:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>

opened in well ventilated areas. Keep container tightly sealed when not in use. Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. If container is damaged or if pesticide has leaked, clean up all spilled material. Place in a closed labeled container for proper disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law and may contaminate ground water. 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.

This pesticide may be used only for the formulation of a herbicide. Formulators using this product are responsible for obtaining EPA registrations for their formulated products.

Only for formulation into a herbicide for the following:

1. AGRICULTURAL CROPS: Corn, Sorghum, Wheat, Barley, Rye, Oats, Grasses-annual, Grasses-perennial, and Soybeans.  
TERRESTRIAL NONFOOD CROPS: Ornamental trees, shrubs and vines; lawn and turf grasses; uncultivated agricultural areas; uncultivated nonagricultural areas; general soil treatment; recreation areas; industrial sites; paved areas and outdoor areas.  
FORESTRY SITES: Forest trees, plantings and forest tree nurseries.

2. Uses for which U.S. EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration.\*

3. Uses for experimental purposes that are in compliance with U.S. EPA requirements.\*

\*NOTICE: Nufarm USA makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise, with regard to these uses of the product sold, including, but not limited to, merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage.

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 and industrial), manufactured after October 23, 1993 must bear the revised label language below.

#### GENERAL REQUIREMENTS FOR END-USE PRODUCT LABELING

1. Containers over 1 gallon and less than 5 gallons in capacity must bear the following statement: "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 Requirement 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 enclosed cockpits 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, face and arms before using 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 of 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 per site.

d. The maximum application rate for 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 per site. The maximum application 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 re-entry interval is required and should be in accordance with the Worker Protection Standard, 40 CFR Parts 156 and 170.

##### 2. FOR INDUSTRIAL AND NON-CROP USES

a. Clothing Requirement 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 cockpits 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, face and arms before using 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 of 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 USES

a. Clothing Requirement Statements: (1) For All Granular Products: "When using this product, wear long-sleeved shirt, long pants, socks and shoes.", (2) For homeowners and other non-commercial users of liquid 2,4-D products, and for commercial mixer/loader/applicators of liquid 2,4-D products when the product is to be applied to a golf course: (a) For Amine Liquid Products carrying "CAUTION" signal word: "When using this product, wear long-sleeved shirt, long pants, socks and shoes and rubber gloves.", (b) For Amine Liquid Products carrying "WARNING" or "DANGER" signal word: "When using this product, wear long-sleeved shirt, long pants, socks and shoes, rubber gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection." (c) For Acid, Sodium Salt and Ester Liquid Products carrying "CAUTION" signal word: "When using this product, wear long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves.", (d) For Acid, Sodium Salt and Ester Liquid Products carrying "WARNING" or "DANGER" signal word: "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." (3) Commercial mixer/loader/applicators of liquid 2,4-D products, except when the product is to be applied to a golf course: (a) For products carrying "CAUTION" signal word: "When mixing loading or applying this product, wear long-sleeved shirt, long pants, socks, shoes and chemical resistant gloves."; (b) For products carrying "WARNING" or "DANGER" signal word: "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."

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 acre per application per site. The maximum number of broadcast applications\*\* per treatment site is 2 per year. \*\*One application may be defined as treating the entire area in two passes at the half rate each time (i.e., crisscrossing from end to end and then side to side).

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 HANDLING OF THIS MATERIAL NOT IN STRICT ACCORDANCE WITH DIRECTIONS GIVEN HEREWITH.

**Manufactured By**  
**Nufarm USA, Inc.**  
**St. Joseph, MO 64506**

### NOTICE

SELLER MAKES NO WARRANTY EXPRESSED OR IMPLIED, CONCERNING THE USE OF THIS PRODUCT OTHER THAN INDICATED ON THIS LABEL. BUYER ASSUMES ALL RISKS OF USE,