

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

35935-12

06/03/2002

1/3

Bill Mahlborg  
Nufarm Limited  
500 Lower Lake Road  
St. Joseph, MO 64504

JUN 3 2002

Dear Mr. Mahlborg:

SUBJECT: Amendment: Deletion of Unsupported Uses on Drainage Ditchbanks,  
Lakes, Ponds, Other Aquatic Non-Food Sites, Rice, and Sugarcane  
Nufarm 2,4-D Isooctyl Ester Technical  
EPA Registration No. 35935-12  
Your Submission Dated January 12, 2001

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

- 1) Revise the typographical error in the name of the Active Ingredient in the Ingredient statement so that it reads "...Dichlorophenoxyacetic...".
- 2) In accordance with 40 CFR §156.10(d)(2), revise the net contents statement so that it reads in terms of conventional American liquid measure units.

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the referenced label, incorporating the above changes, before releasing the product for shipment.

Please note that the Agency has recently revised its recommended First Aid statements for pesticide products (refer to PR Notice 2001-1: First Aid Statements on Pesticide Product Labels). The new statements were developed as part of the Consumer Labeling Initiative in close cooperation with poison control center personnel and other medical experts. While it is not mandatory that you revise your label at this time, you are strongly encouraged to make these changes by submitting an application for amendment (EPA Form 8570-1) and 4 copies of draft labeling for our review.

Sincerely yours,

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

Enclosure

DK:305-7546:AB/PM23

CONCURRENCES

SYMBOL	7505C							
SURNAME	D. KENNY							
DATE	5/3/2002							



ACCEPTED  
with COMMENTS  
In EPA Letter Dated

JUN 3 2002

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
35935-12

2/3  
GDE Revocation 01/01 - Proposed

# 2,4-D Isooctyl Ester Technical

A HERBICIDE FOR FORMULATING USE ONLY.

## ACTIVE INGREDIENT:

Isooctyl (2-ethylhexyl) Ester of 2,4 -

Dichlorophenoxyacetic acid\*..... 94%

INERT INGREDIENTS: ..... 6%

TOTAL: ..... 100%

\*Equivalent to 62.38% of the 2,4 isomer of 2,4-  
dichlorophenoxyacetic acid. Isomer specific by  
AOAC Method No. 6 D01-5.

## KEEP OUT OF REACH OF CHILDREN CAUTION

See Below For Additional Precautionary Statements

EPA REG. NO. 35935-12  
EPA EST. NO. \_\_\_\_\_

NET WEIGHT \_\_\_\_ LBS. ( \_\_\_\_ KG)

EXP01/01

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

## STATEMENT OF PRACTICAL TREATMENT

**If Swallowed:** Drink 1 to 2 glasses of water and induce vomiting by  
touching back of throat with finger. Do not give anything by mouth to an  
unconscious person. Get medical attention.

**If on Skin:** Wash with plenty of soap and water. Get medical attention  
if irritation occurs.

**If in Eyes:** Flush with water for 15 minutes. Get medical treatment.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Harmful if absorbed through the skin. Avoid  
contact with skin, eyes or clothing. Wash thoroughly after handling.  
Remove contaminated clothing and wash clothing before reuse.

## ENVIRONMENTAL HAZARDS

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 sewerage treatment  
plant authority. For guidance, contact your State Water Board or  
Regional Office of the EPA.

## PHYSICAL AND CHEMICAL HAZARDS

Do not use the same equipment for handling or manufacturing other  
agricultural chemicals.

## 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:** Do not contaminate food, feed or water by storage or  
cleaning of equipment. Do not store with seeds, foodstuffs or near  
insecticides, fungicides or fertilizers. Open dumping or burning is  
prohibited. Do not reuse container.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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 product is intended for formulation into end-use herbicides  
approved for use on: Small Grains (oats, barley, wheat, rye), Corn,  
Sorghum, Ornamental Turf, Grass Seed Crops, Fallow Land,  
Established Pastures and Rangelands, and for General Weed Control  
(airfields, roadsides, vacant lots, fence rows, industrial sites and similar  
areas), Woody Plant Control, Conifer Release, Herbaceous Weed  
Control, Site Preparation, Rights-of-Way, and Tree Injection.

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: "A mechanical system (probe and pump) 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 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 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 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.
- e. A reentry interval is required and should be in accordance with the Worker Protection Standard, 40 CFR Parts 156 and 170.

#### 2. FOR INDUSTRIAL 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 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 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."

#### 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 Amine Liquid Products carrying "CAUTION" signal word: "When using this product, wear long-sleeved shirt, long pants, socks and shoes and rubber gloves.", (3) For Amine Liquid Products carrying "WARNING" or "DANGER" signal word: "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 protection." (4) 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.", (5) 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."
- 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.
- 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."

### WARRANTY STATEMENT

SELLERS GUARANTEE SHALL BE LIMITED TO THE TERMS OF THE LABEL, AND SUBJECT THERETO, THE BUYER ASSUMES ANY RISK TO PERSONS OR PROPERTY ARISING OUT OF USE OR HANDLING AND ACCEPTS THE PRODUCT ON THESE CONDITIONS.

Manufactured by  
Nufarm Limited  
St. Joseph, MO 64504