

# Technical 2,4-D Acid

For Use In the Manufacture of Herbicides

ACTIVE INGREDIENTS	2,4-Dichlorophenoxyacetic acid	99.3%
INERT INGREDIENTS		0.7%

\*Isomer specific by AOAC Method No. 6D01-5 (12th ed) ✓

EPA Reg. No. 264-492

EPA Est. No.

## KEEP OUT OF REACH OF CHILDREN CAUTION ✓

### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** If patient is conscious and alert, give 2-3 glasses of water or milk to drink. If available, give one tablespoon of Syrup of Ipecac to induce vomiting. Alternatively, induce vomiting by touching back of throat with finger. Get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF ON SKIN:** Wash skin with plenty of soap and water, if available, while removing contaminated clothing. Wash clothing separately before reuse.

**IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Get medical attention.

**NOTE TO PHYSICIAN**

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

#### CAUTION

#### HAZARD TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes or clothing. Do not inhale dust. Wash thoroughly with soap and water after handling.

#### ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product sewer systems without previously notifying the 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. Read entire label before using this product.

For use only by manufacturers in the formulation of herbicides. Formulators using this product are responsible for obtaining EPA registration for their formulated products.

Only for formulation into a herbicide for (1) the following uses:

#### AGRICULTURAL CROPS

Wheat, barley, oats, rye, corn, sorghum, soybeans, rice, sugarcane, stone fruit, nut orchards.

#### TERRESTRIAL NON-CROP

Grasses, rangeland, pastures, conservation reserve program, fencerows, drainage ditchbanks, golf courses, cemeteries, parks, turf, fallowland, crop stubble, highway rights-of-way, railroads, sod farms, and similar non-crop areas.

#### AQUATICS

Water hyacinth, water milfoil and other aquatic weeds.

#### FORESTRY

Forestry site preparation, pine release.

(2) Uses for Which USEPA has Accepted the Required Data and/or Citations of Data that the Formulator has Submitted in Support of Registration and (3) Uses for Experimental Purposes that are in Compliance with USEPA Requirements.

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 22, 1993 must bear the revised label language below.

**ACCEPTED**  
30 SEP 1993

Under the Federal Insecticide, Fungicide, and Rodenticide Act, 264-492

**BEST AVAILABLE**

has been manufactured

**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 closed before removal."

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

1. **Personal Hygiene 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."
2. **Personal Hygiene Statements:** "Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying the 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. 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.
4. 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 per site.
5. A reentry interval is required and should be in accordance with the Worker Protection Standards, 40 CFR Parts 164 and 170.

**FOR INDUSTRIAL/AQUATIC USES**

1. **1) 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."
2. **2) Personal Hygiene Statements:** "Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying the 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."

**FOR RESIDENTIAL AND TURF USES**

1. **1) 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, 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."
2. **2) Personal Hygiene Statements:** 1) For All Granular Products: "After using this product, remove clothing and launder separately from other laundry and promptly and thoroughly wash hands and exposed skin with soap and water." 2) For All Liquid Products: "After using this product, remove gloves before removing clothing and launder separately from other laundry and promptly and thoroughly wash hands and exposed skin with soap and water." Remove saturated clothing as soon as possible and shower."
3. 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.
4. 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****STORAGE**

✓ Do not contaminate water, food or feed by storage or disposal. Store in a dry place.

**✓ 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**

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## DISCLAIMER AND INDEMNITY FOR FORMULATORS' USES

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## LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label; that this product is reasonably fit for the purposes set forth in item (1) of the Directions for Use when it is used in accordance with such Directions; and that the statements under item (1) of the Directions, the warnings and other statements on this label, other than the suggested uses under items (2) and (3) of the Directions, are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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✓ NET CONTENTS: 500 lbs.

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