

JUN 24 1993

Ms. Becky Rhodes
Zeneca, Inc.
Zeneca Agricultural Products
P.O. Box 751
Wilmington, DE 19897

Dear Ms. Rhodes:

Subject: Paraquat Concentrate (General Reformating and Addition of Clarifying Statements)
EPA Registration No. 10182-115
Your Letter Dated April 16, 1993

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable. A stamped copy of labeling is enclosed for your records.

This acceptance of your label does not relieve you of any obligation to comply with the Worker Protection Standard (WPS). Under the WPS labeling regulations at 40 CFR part 156, subpart K, 156.200 (c)(3), you are prohibited from distributing or selling any product within the scope of the WPS requirements after April 21, 1994, without amended labeling accepted by the Agency.

Sincerely,

VKW
Robert J. Taylor
Product Manager 25
Fungicide-Herbicide Branch
Registration Division (H7505)

PARAQUAT Concentrate

For Formulation of Paraquat Herbicide Products Only

Refer to ZENECA Manufacturing Formulas for Formulating Directions, Chemical and Physical Properties

ACTIVE INGREDIENT:	
Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium ion)	43.5%
INERT INGREDIENTS:	<u>56.5%</u>
Total	100.0%

Contains 3 lbs paraquat cation per gallon.

KEEP OUT OF REACH OF CHILDREN

O
DANGER POISON
X

ONE SWALLOW CAN KILL!

SYMPTOMS ARE PROLONGED AND PAINFUL. ONSET OF SYMPTOMS MAY BE DELAYED FOR UP TO 3 DAYS AFTER SWALLOWING.

- **READ STATEMENT OF PRACTICAL TREATMENT AND PRECAUTIONARY STATEMENTS ON SIDE PANEL.**
- **NEVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS.**

ACCEPTED
with **COMMENTS**
in EPA Letter Dated:

EPA Reg. No. 10182-115
EPA Est. No.

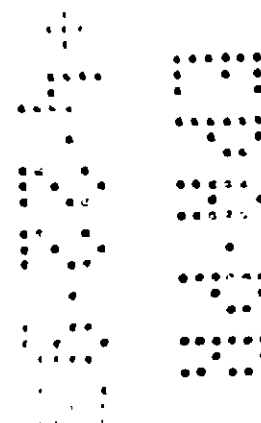
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U.S. Patent No. 2,972,528
Net Contents: 507 lbs. (230 kg.)
Batch No.:

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

10182-115

Made in U.S.A.
ZENECA Ag Products
ZENECA Inc.
Wilmington, DE 19897



STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: IMMEDIATELY induce vomiting by touching back of throat with finger. Administer fluids and induce further vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. **GET TO A HOSPITAL OR PHYSICIAN FAST. PROMPT TREATMENT IS ESSENTIAL AND MUST BE INITIATED BEFORE SIGNS AND SYMPTOMS APPEAR.**

NOTE TO PHYSICIANS: Call ZENECA MEDICAL EMERGENCY INFORMATION NETWORK 1-800-327-8633 (Dial 1-800-F-A-S-T-M-E-D) at any hour to obtain toxicology and medical management consultation, a supply of bentonite clay, and paraquat analysis. Symptoms following ingestion may be delayed up to 3 days. To be effective, treatment for paraquat poisoning must begin **IMMEDIATELY**. Treatment consists of binding paraquat in the gut with suspensions of bentonite clay or charcoal and removal of paraquat from the blood by prolonged charcoal hemoperfusion or continuous hemodialysis.

IF ON SKIN: IMMEDIATELY wash with soap and water. Remove and wash all contaminated clothing separate from other laundry with soap and hot water before reusing. Prolonged contact will cause severe irritation. Contact with irritated skin or a cut or repeated contact with intact skin may result in poisoning. **GET MEDICAL ATTENTION.**

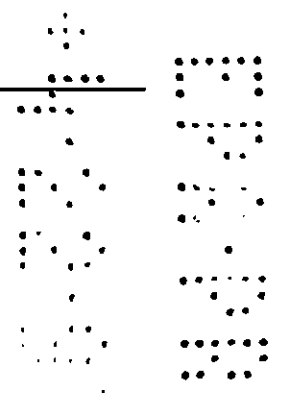
IF IN EYES: IMMEDIATELY wash eyes with water for at least 15 minutes and get medical attention. Contact may cause eye injury. **CALL A PHYSICIAN.**

IF INHALED: EXPOSURE to contaminated plant dust may cause irritation, nose bleeds and may lead to poisoning.

Read and follow **PRECAUTIONARY STATEMENTS.**

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL 1-800-F-A-S-T-M-E-D (327-8633).

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.



DANGER
~~Can Kill if Swallowed. May be Harmful or Fatal if Absorbed Through Skin or Inhaled.
Harmful to Skin and Eyes.~~

WORKER SAFETY RULES

~~Avoid accidents. Follow these pesticide Safety Rules when handling this product.~~

~~DO NOT get on skin, eyes or clothing. DO NOT inhale contaminated plant dust. WASH SPLASHES from skin and eyes immediately. REMOVE and wash contaminated clothing. WASH before eating, smoking and drinking. WEAR full face shield, rubber gloves and apron and waterproof footwear when handling or mixing concentrate. WEAR face mask capable of filtering dust if there is risk of exposure to contaminated plant dust.~~

~~IMPORTANT: The effect of swallowing Paraquat is far more severe than that which usually results from skin contact or inhalation of contaminated plant dust. No opportunity for dust or product to cause serious injury or death should arise when used in strict compliance with these rules, but the opportunity may arise in case of gross violations, so strictly follow these rules as if your life depends on it.~~

PRECAUTIONARY STATEMENTS

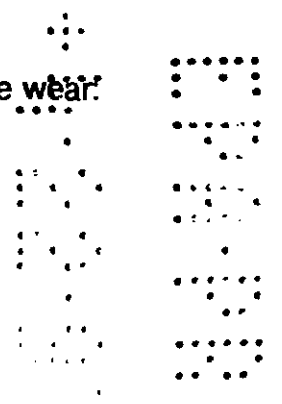
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

O
DANGER POISON
X

FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES IRREVERSIBLE EYE DAMAGE. CAUSES SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION.

DO NOT get in eyes, on skin, or on clothing. **DO NOT** inhale contaminated plant dust. **WASH SPLASHES** from skin and eyes immediately. **REMOVE** and wash contaminated clothing. **WASH** thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

- When handling or mixing concentrate or when exposure to concentrate is possible wear:
 - A NIOSH/MSHA-approved pesticide respirator.
 - Protective clothing (disposable suit/coveralls or long-sleeved shirt and pants).
 - Full face shield.
 - Waterproof gloves.
 - Apron and waterproof footwear.
- **REMOVE** contaminated clothing and wash separate from other laundry before reuse.



IMPORTANT: The effect of swallowing Paraquat Concentrate is far more severe than that which usually results from skin contact or inhalation of contaminated plant dust. This product should not cause injury if used according to label instructions. Follow the label as if your life depends on it.

ENVIRONMENTAL HAZARDS

WILDLIFE: This product is toxic to wildlife. 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 a National Pollutant Discharge Elimination System (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 EPA.

CHEMICAL HAZARD: This product reacts with aluminum to produce hydrogen gas which may form a highly combustible gas mixture. Such gas could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette, or other ignition source. Do not mix or store in containers or such systems made of aluminum or having aluminum fittings.

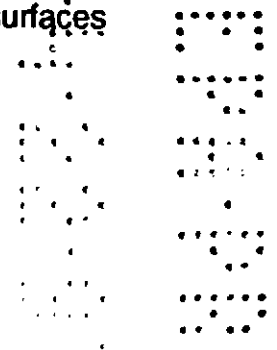
EQUIPMENT/CONTAINER: Flush all equipment with water after use each day. Paraquat is corrosive to aluminum. Aluminum equipment and aluminum structures that are exposed to solution or spillage should be flushed thoroughly with water immediately after use.

SPILLAGE DURING TRANSPORT

Emergency action: Notify police and fire departments immediately. For any spill, leak, fire or exposure in the United States, call CHEMTREC 1-800-424-9300. In other countries, call your local ZENECA agent.

KEEP PUBLIC AND ANIMALS away from area. **MARK ROADS AND WARN OTHER ROAD USERS.** WEAR full face shield, rubber gloves, rubber boots and waterproof overalls during decontamination operations.

Clean up spills as soon as possible. Cover spill with generous amount of clay or loam soil to absorb liquid, using a stiff broom to insure intimate contact. Sweep onto shovel and transfer to plastic bag or other disposable container. Repeat operations until contaminated surfaces are dry. Finally, hose spill site with water if feasible.



DIRECTIONS FOR USE

It is a violation of Federal law to use this product without complying with all label directions and warnings.

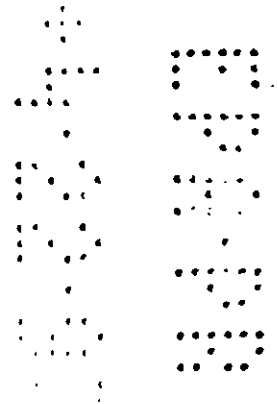
READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

Only for formulation into a herbicide for the following uses:

- (1) Terrestrial Food: Alfalfa, Asparagus, Cassavas, Clover and other Legumes, Corn (pop, field, and sweet), Cotton, Dry beans, Easter Lilies, Garlic, Guar, Mint, Onions, Pastures, Peanuts, Pigeon peas, Pineapple, Potato, Safflower, Small fruits, Small grains, Sorghum, Soybeans, Sugarcane, Sunflower, Taniers, Taro, Trees and Vines, Tyfon, Vegetables, Yams

Terrestrial Nonfood: Conservation Compliance Lands, Conservation Reserve Lands, Federal Set-Aside Lands, Grasses grown for seed, Resin soaking (pines);

- (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.



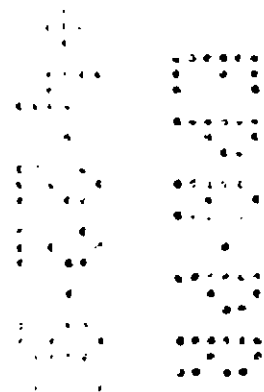
STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

STORAGE: Store at temperatures above 32°F. Do not contaminate feed, foodstuffs or drinking water. Do not store next to feed or food, or transport in or on vehicles containing foodstuffs or feeds. For help with any spill, leak, fire or exposure involving this material, call **CHEMTREC 1-800-424-9300**.

PESTICIDE DISPOSAL: This product is acutely hazardous. Improper disposal of excess pesticide 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). Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or dispose of by other procedures allowed by State and local authorities.



IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND LIMITED WARRANTY:

The Directions for Use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

