



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

September 10, 2025

SENT BY EMAIL

Carrie Xiang
pesticideapp@reach24h.com
NANJING RED SUN BIOCHEMISTRY CO., LTD.

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 - Updating label due to company transfer
Product Name: PARAQUAT DICHLORIDE TECHNICAL
Admin Number: 89432-3
EPA Receipt Date: 07/09/2025
Action Case Number: 00661514

Dear Carrie Xiang:

The U.S. Environmental Protection Agency is in receipt of your application for notification under Pesticide Registration Notice 98-10 for the above referenced product. The EPA has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

If you have questions, please contact Jamie Millard via email at millard.jamie@epa.gov.

Sincerely,

Emily Schmid, Product Manager 25
HB, RD
Office of Pesticide Programs

PARAQUAT DICHLORIDE TECHNICAL

For the Formulation of Paraquat-containing Herbicide Products Only

ACTIVE INGREDIENT:	% BY WT.
Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)	45.4%
OTHER INGREDIENTS:	54.6%
TOTAL:	100.0%

Contains 3.14 pounds paraquat cation per gallon as 4.332 pounds salt per gallon.

NOTIFICATION

**KEEP OUT OF REACH OF CHILDREN
DANGER/ PELIGRO**



89432-3

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

09/10/2025

- NEVER PUT INTO FOOD, DRINK, OR OTHER CONTAINERS.
- IF SWALLOWED, TAKE IMMEDIATE ACTION AS PRESCRIBED IN FIRST AID SECTION. SYMPTOMS ARE PROLONGED AND PAINFUL.

See additional precautionary statements and directions for use found elsewhere on this label.

FIRST AID Contains Paraquat, a Bipyridylium Herbicide	
IF SWALLOWED:	<ul style="list-style-type: none">SPEED IS ESSENTIAL. Immediate medical attention is required. If available, give an adsorbent such as activated charcoal, bentonite, or Fuller's Earth.Call a poison control center or doctor immediately for treatment advice.Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none">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:	<ul style="list-style-type: none">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 INHALED:	<ul style="list-style-type: none">Move person to fresh air.The odor of this product is from the stenching agent, which has been added, not from the paraquat.If person is not breathing, call 911 or an ambulance.Call a poison control center or doctor for further treatment advice.
NOTE TO PHYSICIAN: Administer either activated charcoal (100 g for adults or 2 g/kg body weight in children) or Fuller's Earth (15% solution; 1 liter for adults or 15ml/kg body weight in children). NOTE: The use of gastric lavage without administration of an adsorbent has not shown any clinical benefit. Do not use supplemental oxygen. Eye splashes from concentrated material should be treated by an eye specialist after initial treatment. With the possibility of late onset corneal ulceration, it is advised that patients with paraquat eye injuries are reviewed by an eye specialist the day after first presentation. Use treatment that is appropriate for chemical burns. Intact skin is an effective barrier to paraquat, however contact with irritated or cut skin or repeated contact with intact skin may result in poisoning.	
EMERGENCY NUMBERS Have the product label with you when calling a poison control center or doctor or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY: For Medical Emergencies phone: 1-888-681-4261 For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC® 1-800-424-9300	

EPA Reg. No. 89432-3
EPA Est. No. _____

NET CONTENTS:

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For Product Use Information phone: AMVAC® 1-888-462-6822



{Note to Reviewer: This logo is included only when the product is intended to be produced for Sinochem Agro Co., Ltd.}

[Produced for:

Sinochem Agro Co., Ltd.

5th Floor, No. 567, Bocheng Road, Pudong New Area,
Shanghai, 200126, P.R.China]

[Manufactured by:]

NANJING RED SUN BIOCHEMISTRY CO., LTD.

168 Fang Ting Road, Nanjing Chemical Industry Park,
Nanjing High & New Technology Development Zone,
Nanjing City, 21061, China

Email:douzhihao@sinochem.com]

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删除[Deleted]: AMVAC Chemical Corporation
4695 MacArthur Court, Suite 1200
Newport Beach, CA 92660

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals
DANGER/PELIGRO



May be fatal if swallowed. Fatal if inhaled. Do not breathe spray mist. Do not inhale contaminated plant dust. Causes substantial but temporary eye injury. Wear face shield. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin.

IMPORTANT: Inhalation is an unlikely route of exposure due to low vapor pressure, but mucosal irritation or nose bleeds may occur. Prolonged contact with this concentrated product can irritate your skin. 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.

When handling or mixing concentrate or when exposure to concentrate is possible, wear:

- . Long-sleeve shirt and long pants
- . Chemical-resistant gloves made of any waterproof material
- . Shoes plus socks
- . Face shield
- . Protective eyewear
- . Chemical resistant apron
- . Dust/mist filtering NIOSH approved respirator with any R, P, or HE filter

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

REMOVE contaminated clothing and wash separate from other laundry before reuse.

ENVIRONMENTAL HAZARDS

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.

PHYSICAL AND CHEMICAL HAZARDS

This product reacts with aluminum to produce hydrogen gas which may form a highly combustible gas mixture. Do not mix or store in containers, tanks, 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. In other countries, call your local [NANJING RED SUN](#) agent.

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KEEP PUBLIC AND ANIMALS away from your area. MARK ROADS AND WARN OTHER ROAD USERS. WEAR face shield, chemical-resistant gloves, waterproof footwear, and long-sleeve shirt and long pants 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 ensure 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 in a manner inconsistent with its labeling.

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

Only for formulation into an herbicide for the following uses:

- (1) **Terrestrial Food:** Alfalfa, Almond, Artichoke (Globe), Asparagus, Berries, Cacao, Cassava, Clover and other Legumes, Corn (pop, field, sweet, and seed), Cotton, Dry beans, Dry peas, Easter Lilly, Fallow land, Garlic, Ginger, Guar, Guava, Hops, Iris, Lentils, Mint, Narcissus, Okra, Onions, Passion Fruit, Pastures, Peanut, Persimmon, Pigeon peas, Pineapple, Rice, Safflower, Small fruits, Small grains, Sorghum, Soybean, Strawberry, Sugar Beet, Sugarcane, Sunflower, Tanier, Taro, Tobacco, Trees and Vines, Perennial Tropical and Subtropical Fruit Trees, Tuberous and Corm Vegetables, Tulip, Tyfon, Vegetables, Yams;
Terrestrial Nonfood: Chemical Fallow, Conservation Compliance Lands, Conservation Reserve Lands, Federal Set-Aside Lands, Grasses grown for seed, Resin soaking (pines), Noncrop Uses (including public airports, electric transformer stations, pipeline pumping stations, around commercial buildings, storage yards and installations, and fencelines), Tree Plantation Establishment.
- (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

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

PESTICIDE STORAGE: Store at temperatures above 32°F.

PESTICIDE DISPOSAL: Pesticide wastes are 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 HANDLING: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available; or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

LIMITATION OF WARRANTY AND LIABILITY

The manufacturer warrants (a) that this product conforms to the chemical description on the label and (b) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions. THIS WARRANTY DOES NOT EXTEND TO THE USE OF THIS PRODUCT CONTRARY TO LABEL INSTRUCTIONS, OR UNDER CONDITIONS NOT REASONABLY FORESEEABLE.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW 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 OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN TORT, CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW MANUFACTURER OR SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

[NANJING RED SUN](#), offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty, which may be varied only by agreement in writing signed by an authorized representative of [NANJING RED SUN](#).

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