

88951-1

12/12/2012

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510C)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

NOTICE OF PESTICIDE:

x Registration
Reregistration

(under FIFRA, as amended)

EPA Reg. Number:

88951-1

Date of Issuance:

DEC 12 2012

Term of Issuance:

Conditional

Name of Pesticide Product:

Panax 500™ 25

Name and Address of Registrant (include ZIP Code):

Pan Asian Chemicals Inc.
3040 Post Oak Blvd., #1050
Houston, TX 77056

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment:

a. Revise the "EPA Registration Number to read, "EPA Reg. No. 88951--1".

Signature of Approving Official:

Marshall Swindell
Product Manager Team-33
Regulatory Management Branch I
Antimicrobials Division (7510P)

[Handwritten signature of Marshall Swindell]

Date:

DEC 12 2012

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b. Submit the product Storage Stability and Corrosion Characteristics study within one (1) year from the date of this Notice of Registration.

c. Submit two (2) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

3. The Confidential Statements of Formula dated October 23, 2012, for the basic and alternate (#1) formulations are acceptable. Refer to the enclosed copy of the Product Chemistry Review for further comments.

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

A stamped copy of the "accepted" label is enclosed for your records.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,



Marshall Swindell
Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510P)

Enclosures

ACCEPTED
with COMMENTS
in EPA Letter Dated:

PanaX 500™ 25 DEC 12 2012

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 88951-1

Industrial Bactericide

**FOR USE IN INDUSTRIAL PROCESSES ONLY.
NOT FOR DOMESTIC USE.**

ACTIVE INGREDIENT:	
Glutaraldehyde.....	25.0%
INERT INGREDIENTS:.....	75.0%
TOTAL:	100.0%

NET CONTENTS: Bulk, Drum or As Marked on Container

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or a doctor immediately for treatment advice • DO NOT INDUCE VOMITING. • Do not give anything to drink.
IF IN EYES:	<ul style="list-style-type: none"> • Wash immediately and continuously with flowing water for at least 30 minutes • Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist. • Call a poison control center or a doctor immediately 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 a doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or a doctor for further treatment advice.
NOTE TO PHYSICIAN:	Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.
<i>Have the MSDS and, if available, the product container or label with you when calling a poison control center or a doctor, or going for treatment.</i>	
IN CASE OF EMERGENCY:	Endangering life or property involving this product, call collect: (989) 636-4400

EPA Registration Number..... 88951-1
EPA Establishment Number.....

**PAN ASIAN CHEMICALS INC.
3040 POST OAK BLVD.# 1050
HOUSTON, TEXAS 77056**

EMERGENCY CONTACT (24 HOURS PER DAY) 1-800-424-9300

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**PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS**

DANGER

KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed. Harmful if inhaled. Harmful if absorbed through the skin. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, oysters and shrimp. 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.

STORAGE AND HANDLING

PanaX 500™25 is incompatible with many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. PanaX500™25 can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 14° F (-10°C). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to 1 month), temperatures of up to 100°F (37.8°C) can be tolerated but the preferred maximum storage temperature is about 80°F (26.7°C). A stainless steel centrifugal pump is suggested for transfer service. Spiral-wound stainless steel with TEFLON® Polymer is suitable for gaskets and packing. Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, special ventilation or respiratory protection (MSHA/NIOSH approved air purifying respirator equipped with an organic vapor cartridge) may be required.

LIMITED WARRANTY AND DISCLAIMER

Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

STORAGE AND DISPOSAL

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

STORAGE: Do not pour, spill or store near heat or open flame.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticides, spray mixture 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 your Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full of water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat the rinsing procedure two more times.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 12 2012

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No. 81951-1

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DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent

AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/ RECIRCULATING COOLING AND PROCESS WATER SYSTEMS:

This product may be used only in industrial air washers and air washer systems which have mist-eliminating components. PanaX 500™ 25 should be added at the application rates described below to a water treatment system at a convenient point of uniform mixing such as the basin area. Addition may be made intermittently (SLUG DOSE) or continuously. Badly fouled systems can be shock treated with PanaX 500™ 25. Under these conditions, blowdown should be discontinued for up to 24 hours. PanaX 500™ 25 can be used in industrial process water systems that contain ultra-filtration units and non-medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

INTERMITTENT (SLUG DOSE) METHOD

Initial dose: When the system is noticeably fouled, apply 24 to 48 fluid ounces of PanaX 500™ 25 per 1000 gallons of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 9.6 to 24 fluid ounces of PanaX 500™ 25 per 1000 gallons of water in the system weekly, or as needed to maintain control. Badly fouled system must be cleaned before treatment is begun.

CONTINUOUS FEED METHOD

Initial dose: When the system is noticeably fouled, apply 24 to 48 fluid ounces of PanaX 500™ 25 per 1000 gallons of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 4.8 to 24 fluid ounces of PanaX 500™ 25 per 1000 gallons of water in the system per day. Badly fouled system must be cleaned before treatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS

PanaX 500™ 25 should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point that will allow for uniform mixing throughout the system.

HEAT TRANSFER SYSTEMS

(Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers and Retorts, and Pasteurizers and Warmers) PanaX 500™ 25 should be used at the same application rates, and in the same manner as described above. It should be added to the system as a point of uniform mixing such as a basin area, sump area, or other reservoir or collection area from which the treated water will be circulated uniformly throughout the system.

INDUSTRIAL WASTEWATER SYSTEMS:

(Wastewater systems, wastewater sludge and wastewater holding tanks)

PanaX 500™ 25 should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 10.8 to 54 fluid ounces (0.63 pints to 3.4 quarts (900 to 4,500 ppm) PanaX 500™ 25 per 100 gallons of wastewater or sludge.

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS

PanaX 500™ 25 should be added to the paper making system at a point of uniform mixing such as the beaters, broke chest pump, save-all tank, or white water tank.

Initial Dose: When the system is noticeably contaminated, add 1.0 to 6.0 lbs of PanaX 500™ 25 per ton of pulp or paper (dry basis) as a slug dose. Repeat until control is achieved. Heavily fouled systems should be boiled out prior to initial treatment.

Subsequent Dose: When microbial control is evident, add 0.6 to 4.0 lbs. of PanaX 500™ 25 per ton of pulp or paper (dry basis) as a slug dose as necessary to maintain control.

PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD

(For use in food and non-food contact pigments and filler slurries) Use from 0.2 to 1.2 lbs. of PanaX 500™ 25 per 1,000 lbs. dry powder to produce a concentration of 200 to 1200ppm as product (based on slurry solids) in the mixed slurry.

WATER BASED COATINGS

NOTE: For use in non-food contact coatings only. Use from 0.2 to 1.2 lbs. of PanaX 500™ 25 per 1,000 lbs. dry powder to produce a concentration of 200 to 1200ppm as product (based on slurry solids) in the mixed slurry.

AQUEOUS METAL WORKING FLUIDS

PanaX 500™ 25 should be added to a metal working fluid system at a point of uniform mixing such as the fluid collection tank. Additions may be made intermittently (SLUG DOSE) at intervals of one week or less.

Initial Dose: When the system is noticeable fouled apply 4.8 to 14.4 fluid ounces (100 to 300ppm active) of PanaX 500™ 25 per 100 gallons of metal working fluid to the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident add 1.9 to 9.6 fluid ounces (40 to 200 ppm active) of PanaX 500™ 25 per 100 gallons of metalworking fluid to the system weekly, or as needed to maintain control. Badly fouled system should be cleaned before treatment is begun.

WATER BASED CONVEYOR LUBRICANTS

(Brewery, Juice, Dairy, Beverage, and Food Processing Systems)

Avoid contamination of food in application of product. Thoroughly clean all tracks and conveyors to remove gross soil. Rinse well. Use an automatic feed system to provide 2.4 to 14.4 fluid ounces (50 to 300 ppm active) of PanaX 500™ 25 per 100 gallons of diluted lubricant.

GENERAL PRESERVATIVE USE

PanaX 500™ 25 is recommended for use in aqueous or water containing products and systems, including industrial, institutional and consumer in can processes and products, to control the growth of bacteria and fungi. For effective preservation, add PanaX 500™ 25 to the product formulation at a rate of 0.04% to 0.4% based on the water content of the product (0.4 to 4.0 lbs PanaX 500™ 25 per 1,000 lbs water content. Add uniformly.

PRESERVATIVE FOR CONCENTRATES

For use in concentrates where effective preservation is needed after dilution, add PanaX 500™ 25 to the product formulation at a rate such that the diluted end-use product will contain 0.04% to 0.40% PanaX 500™ 25. At no time during the preservation process should the level of PanaX 500™ 25 exceed 6.6%.

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in EPA Letter Dated:

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