
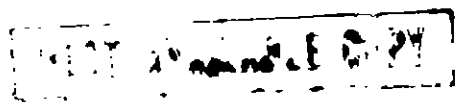


U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE
	50265-4	APR 23 1985
	TERM OF ISSUANCE	
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	NAME OF PESTICIDE PRODUCT	
	HYDRUS 522	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
Hydrus, Inc. 645 N. Webster Street Naperville, IL 60540		
NOTE: Changes in labeling formula 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 U.S. 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.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an indorsement or approval of this product by this 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/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.		
2. Add the phrase "EPA Registration No. 50265-4" to your label before you release the product for shipment.		
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.		
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 label is enclosed for your records.		
<div style="text-align: right;">  A.E. Castillo Product Manager (32) Disinfectants Branch Registration Division (TS-767C) </div>		
Enclosure		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE



HYDRUS 522

ACCEPTED
with COMMENTS
in EPA Letter Dated

APR 23 1985

Under the Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
50265-4

ACTIVE INGREDIENT:

Poly(oxyethylene (dimethyliminio) ethylene-
(dimethyliminio) ethylene dichloride) 10.0 %

INERT INGREDIENT 90.0 %

This product contains 0.85 lb. of active ingredient per gallon and weighs
8.49 lb. per gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing.

FIRST AID: If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Keep out of lakes, streams, or ponds. Permits may be required for discharges containing this pesticide into lakes, streams, ponds, or public water. For guidance, contact the regional office of the Environmental Protection Agency.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

HYDRUS 522

is used in swimming pools, exterior spas, whirlpools, hot tubs, and minimum effectiveness pools, spas, whirlpools, hot tubs, and heavy growth of algae should be cleaned prior to using.

For pools having just visible algae growth add an initial fluid ounces of HYDRUS 522 per move settled algae debris by cleaning. For treatment of pool add initially 41 to 75 fluid ounces of per 10,000 gallons of water. Subsequent additions of HYDRUS 522 per 10,000 gallons of 7 days after initial treatment for maintenance.

Spas, whirlpools, hot tubs, and decorative fountains require an initial dose of 8 to 12 fluid ounces per 1000 gallons of water. For treatment of a freshly cleaned hot tub, or decorative fountain, add initially 4 HYDRUS 522 per 1,000 gallons of 1 to 3 fluid ounces of should be made every 5 to 7 days after initial treatment.

HYDRUS 522 is compatible with chlorine used to treat pools, spas, and decorative fountains and alkaline pH. HYDRUS 522 can be used on decorative fountains treated with chlorine chemicals and chemicals normally required. However, do not mix HYDRUS 522 with concentrated dry or liquid chlorine products.

STORAGE AND DISPOSAL

STORAGE: Keep container closed when not in use. Containers should be placed in a plastic bag and discarded with clear water. All pesticides should be kept out of reach from food.

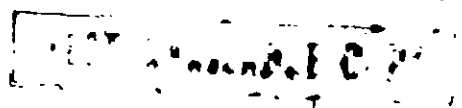
DISPOSAL: Do not reuse empty container. Wrap

Manufactured by:

Hydrus, Inc.
645 N. Webster St.
Naperville, IL 60540

EPA REG. NO. _____ EPA EST. _____

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HYDRUS 522

ACCEPTED
with COMMENTS
In EPA Letter Dated:

APR 23 1985

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

50265-4

ACTIVE INGREDIENT:

Poly(cryethylene (dimethyliminio) ethylene-
(dimethyliminio) ethylene dichloride) 10.0 %

INERT INGREDIENT 90.0 %

This product contains 0.85 lb. of active ingredient per gallon and weighs
8.49 lb. per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing.

FIRST AID: If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Keep out of lakes, streams, or ponds. Permits may be required for discharges containing this pesticide into lakes, streams, ponds, or public water. For guidance, contact the regional office of the Environmental Protection Agency.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

HYDRUS 522 is used to control algae, bacteria, and fungi in recirculating commercial and industrial water cooling towers. Prior to its use, systems must be cleaned to remove algal growth, microbiological slime, and other deposits. An initial slug addition of 6.13 to 15.32 fluid ounces of HYDRUS 522 per 1000 gallons of water to provide a concentration of 48 to 120 parts per million of HYDRUS 522, based on the total weight of water in the system, is recommended. Repeat initial dosage until control is evident.

Subsequent slug additions of 1.53 to 15.32 fluid ounces of HYDRUS 522 per 1000 gallons of water (12 to 120 parts per million of HYDRUS 522) should be employed every 2 to 5 days, or as needed. The frequency of addition depends upon the relative amount of bleedoff and the severity of the microbiological problem. Slug additions should be made in the sump of water cooling towers.

HYDRUS 522 is used to control bacteria in industrial air-washing systems that maintain effective mist eliminating components. Prior to its use, systems should be cleaned to remove bacterial slime and other deposits. An initial slug dose of 24.7 to 41.2 fluid ounces of HYDRUS 522 per 1000 gallons of water is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 16.9 to 41.2 fluid ounces of HYDRUS 522 per 1000 gallons of water should be employed each 1 to 5 days, or as needed. The frequency of addition depends upon the relative amount of bleedoff and severity of the bacterial problem. Slug additions may be made to the sump or to the water collection trays of the airwash system.

STORAGE AND DISPOSAL

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

STORAGE: Do not stack more than four drums high. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

PLASTIC: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

METAL: 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.

Manufactured by:

Hydrus, Inc.
645 N. Webster St.
Naperville, IL 60540

EPA REG. NO. _____ EPA EST. NO. _____

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HYDRUS 522

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 23 1985

Under the Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
50265-4

ACTIVE INGREDIENT:

Poly(oxyethylene (dimethyliminio) ethylene-
(dimethyliminio) ethylene dichloride) 10.0 %

INERT INGREDIENT 90.0 %

This product contains 0.85 lb. of active ingredient per gallon and weighs
8.49 lb. per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing.

FIRST AID: If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution; or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Keep out of lakes, streams, or ponds. Permits may be required for discharges containing this pesticide into lakes, streams, ponds, or public water. For guidance, contact the regional office of the Environmental Protection Agency

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

HYDRUS 522 is used to control the growth of algae in swimming pools, exterior spas, whirlpools, hot tubs, and decorative fountains. For maximum effectiveness pools, spas, whirlpools, hot tubs, and decorative fountains containing heavy growth of algae should be cleaned prior to using HYDRUS 522

For pools having just visible algae growth add an initial dose of 75 to 116 fluid ounces of HYDRUS 522 per 10,000 gallons of water and remove settled algae debris by cleaning. For treatment of a freshly cleaned and filled pool add initially 41 to 75 fluid ounces of HYDRUS 522 per 10,000 gallons of water. Subsequent additions of 13.6 to 27 fluid ounces of HYDRUS 522 per 10,000 gallons of water should be made every 5 to 7 days after initial treatment for maintenance.

Spas, whirlpools, hot tubs, and decorative fountains having just visible algae growth require an initial dose of 8 to 12 fluid ounces of HYDRUS 522 per 1000 gallons of water. For treatment of a freshly cleaned and filled spa, whirlpool, hot tub, or decorative fountain, add initially 4 to 8 fluid ounces of HYDRUS 522 per 1,000 gallons of water. Subsequent additions of 1 to 3 fluid ounces of HYDRUS 522 should be made every 5 to 7 days after initial treatment for maintenance.

HYDRUS 522 is compatible with those chemicals normally used to treat pools, spas, and decorative fountains and is effective at both acid and alkaline pH. HYDRUS 522 can be used in pools, spas, and decorative fountains treated with chlorine chemicals and may reduce the amount of those chemicals normally required. However, do not mix HYDRUS 522 with concentrated dry or liquid chlorine products.

STORAGE AND DISPOSAL

STORAGE: Keep container closed when not in use. Leaking or damaged containers should be placed in a plastic bag and discarded in trash. Mop up spills with clear water. All pesticides should be kept out of reach of children and stored away from food.

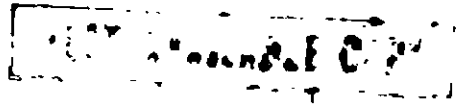
DISPOSAL: Do not reuse empty container. Wrap container and place in trash.

Manufactured by:

Hydrus, Inc.
645 N. Webster St.
Naperville, IL 60540

EPA REG. NO. _____ EPA EST. NO. _____

NET CONTENTS _____



HYDRUS 522

ACCEPTED
with COMMENTS
in EPA Letter Dated:

APR 23 1985

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

50265-4

ACTIVE INGREDIENT:

Poly(oxyethylene (dimethylamino) ethylene-
(dimethylamino) ethylene dichloride) 10.0 %

INERT INGREDIENT 90.0 %

This product contains 0.85 lb. of active ingredient per gallon and weighs
8.49 lb. per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing.

FIRST AID: If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Keep out of lakes, streams, or ponds. Permits may be required for discharges containing this pesticide into lakes, streams, ponds, or public water. For guidance, contact the regional office of the Environmental Protection Agency.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

HYDRUS 522 is used to control algae, bacteria, and fungi in recirculating commercial and industrial water cooling towers. Prior to its use, systems must be cleaned to remove algal growth, microbiological slime, and other deposits. An initial slug addition of 6.13 to 15.32 fluid ounces of HYDRUS 522 per 1000 gallons of water to provide a concentration of 48 to 120 parts per million of HYDRUS 522, based on the total weight of water in the system, is recommended. Repeat initial dosage until control is evident.

Subsequent slug additions of 1.53 to 15.32 fluid ounces of HYDRUS 522 per 1000 gallons of water (12 to 120 parts per million of HYDRUS 522) should be employed every 2 to 5 days, or as needed. The frequency of addition depends upon the relative amount of bleedoff and the severity of the microbiological problem. Slug additions should be made in the sump of water cooling towers.

HYDRUS 522 is used to control bacteria in industrial air-washing systems that maintain effective mist eliminating components. Prior to its use, systems should be cleaned to remove bacterial slime and other deposits. An initial slug dose of 24.7 to 41.2 fluid ounces of HYDRUS 522 per 1000 gallons of water is recommended. Repeat initial dosage until control is evident. Subsequent slug additions of 16.9 to 41.2 fluid ounces of HYDRUS 522 per 1000 gallons of water should be employed each 1 to 5 days, or as needed. The frequency of addition depends upon the relative amount of bleedoff and severity of the bacterial problem. Slug additions may be made to the sump or to the water collection trays of the airwash system.

STORAGE AND DISPOSAL

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

STORAGE: Do not stack more than four drums high. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

PLASTIC: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

METAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

Manufactured by:

Hydrus, Inc.

645 N. Webster St.

Naperville, IL 60540

EPA REG. NO. _____ EPA EST. NO. _____

NET CONTENTS _____

Omega Chemical & Applied Sciences Corp.
715 East Armour Road
North Kansas City, MO 64116

BEST AVAILABLE COPY

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.


Registration is in no way to be construed as an endorsement or approval of this product by this 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/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Add the phrase "EPA Registration No. 50289-5" to your label before you release the product for shipment.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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 label is enclosed for your records.


R.E. Castillo
Product Manager (32)
Disinfectants Branch
Registration Division (TS-767C)

Enclosure

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE