

39967-102

3/14/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



Office of Pesticide Programs

MAR 14 2013

Lanxess Corporation
111R IDC Park West Drive
Pittsburgh, PA 15275-1112

Attention: Barbara Sadler
Regulatory Affairs Specialist

Subject: N-521 Pac-24
EPA Registration No. 39967-102
Amendment Dated December 19, 2012

The amendment, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, to add additional use sites to the product label, is acceptable, provided that you:

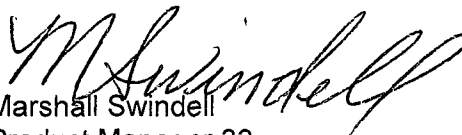
1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3©(5) and sec. 4 uses when the Agency requires all registrants of similar products to submit such data.
2. Submit two (2) copies of final printed labeling before you release the product for shipment.

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" product labeling 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 1
Antimicrobials Division (7510P)

Enclosure

N-521[®] PAC-24

FOR INDUSTRIAL USE AS A PRESERVATIVE TO INHIBIT AND CONTROL THE GROWTH OF SLIME FORMING FUNGI AND BACTERIA IN PULP AND PAPER MILL SYSTEMS, OILFIELD DRILLING MUDS AND COMPLETION FLUIDS, OILFIELD WATER TREATMENT, PRESERVATION OF CLAY SLURRIES, ADHESIVES, COATINGS AND HIGH VISCOSITY SUSPENSIONS, RECIRCULATING COOLING WATER AND BUILDING MATERIALS

ACTIVE INGREDIENT: (present as sodium salt)

Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione ... 24%

IT INGREDIENTS:

..... 76%

TOTAL:

100%

KEEP OUT OF REACH OF CHILDREN
DANGER!

CORROSIVE ACCEPTED
CAUSES EYE AND SKIN DAMAGE
EPA Letter No. 39967-102

EPA Reg. No. 39967-102
EPA Est. No.

NET WT.:

NO.:

MAR 14 2013
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

LANXESS

Energizing Chemistry

LANXESS Corporation
111 RIDC Park West Drive
Pittsburgh, PA 15275-1112

BEFORE USING, READ THE MATERIAL SAFETY DATA
SHEET (MSDS) FOR THIS PRODUCT.

IN CASE OF CHEMICAL EMERGENCY, CALL
CHEMTREC: (800) 424-9300

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER! CORROSIVE. CAUSES EYE AND SKIN DAMAGE.
Harmful if swallowed, inhaled, or absorbed through the skin. May cause allergic skin reaction. Do not get in eyes, on skin, or clothing. Wear goggles or face shield, rubber gloves, and apron when handling. May form hazardous vapors on contact with water. Do not breathe spray or vapor mist. Use with adequate ventilation. Wash thoroughly after handling.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-410-3036 for emergency medical treatment information

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor.

If in Eyes: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 15 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

The LANXESS Pittsburgh Emergency Response Telephone Number is 800-410-3063.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. 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.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply in a way that will

contact workers or other persons. The amount necessary for desired protection varies, depending on the exposure conditions. For further applications information refer to the Product Bulletin.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE: Container should be stored in a cool, dry, well-ventilated area. Do not store near heat or open flame. Exercise due caution to prevent damage to or leakage from the container. Keep container closed when not in use. Do not reuse container.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to the label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA regional Office for guidance.

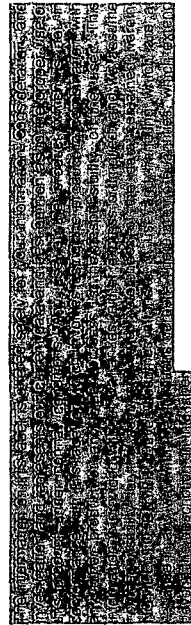
CONTAINER HANDLING AND DISPOSAL

NONREFILLABLE CONTAINER. Do not refill or reuse container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

PAILS (equal to or less than 5 gallons): Empty remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

DRUMS and TOTES/BINS (greater than 5 gallons): Empty remaining contents into application equipment or mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn container over onto its other end and tip it back and forth several times. Empty the rinsate into the application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

ALL NONREFILLABLE CONTAINERS: Offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.



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LANXESS

Energizing Chemistry

Product Information

N-521[®] PAC-24

EPA Registration Number 39967-102

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Fungicide, and Rodenticide Act as
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DIRECTIONS FOR USE

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

The following guidance is given as an approximation for each use pattern, but field-testing is recommended to achieve optimum effectiveness.

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and Rodenticide Act as
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PULP AND PAPER MILL SYSTEMS

N-521[®] PAC-24 is effective in inhibiting the growth of slime forming fungi and bacteria in pulp and paper mill systems at use levels of 5-20 fluid ounces per ton of finished product. The exact amount necessary for effective control will vary depending on the ingredients, temperature and equipment used in the mill system and should be determined by actual test. Systems which show considerable slime fouling should be cleaned thoroughly prior to treatment.

METHOD OF ADDITION: N-521[®] PAC-24 can be added directly from drums by pump or gravity feed to the wet end of the mill system. Continuous flow by metering pumps is preferred to ensure adequate concentrations. Shock addition is to be avoided.

FOR THE PRESERVATION OF SLURRIES AND HIGH VISCOSITY SUSPENSIONS

N-521[®] PAC-24 is effective as a preservative in aqueous systems at levels of 0.05 to 0.1% based on the total formulation in slurries of starch, clay, paper coating, and high viscosity suspensions (e.g. adhesives, resin emulsions, glues, etc.). The most effective product usage rate within the effective range of 0.05% to 0.1% by weight must be determined by actual test on each specific formulation and situation since performance will vary depending on the ingredients in the formulation being preserved, its storage conditions, and the length of preservation time required.

METHOD OF ADDITION: For preservation of aqueous systems, N-521[®] PAC-24 should be added at a point in the processing where there will be sufficient time and agitation for thorough dispersion. N-521[®] PAC-24 can be added directly from drums by pumps or gravity feed. Shock addition to be avoided.

OILFIELD DRILLING MUDS AND WORKOVER OR COMPLETION FLUIDS

N-521[®] PAC-24 is effective in the control of slime-forming and/or spoilage bacteria in oilfield drilling mud and completion fluids at use levels of 75 gallons of N-521[®] PAC-24 per 1000 barrels of drilling fluids. Calculate the number of gallons of N-521[®] PAC-24 needed to produce a concentration of 2080 ppm (0.73lb/bbl) in the drilling mud circulation system. Because of the wide variation in drilling mud composition and bacterial contamination, greater or lesser amounts of N-521[®] PAC-24 may be prescribed.

METHOD OF ADDITION: For best results add N-521[®] PAC-24 in a thin stream to the mud pit while the drilling fluid is circulating. As the total volume increases, due to greater well depth, add additional N-521[®] PAC-24 to maintain the proper concentration.

OILFIELD WATER TREATMENT AND WATER FLOODS

N-521[®] PAC-24 is effective in the control of slime-forming and/or spoilage bacteria in oilfield water treatment and water floods at use of 2.1 gallons of N-521[®] PAC-24 per each 1000 gallons of total volume will produce a concentration of approximately 2500 ppm N-521[®] PAC-24

METHOD OF ADDITION: To maintain bacterial control add 0.30 gallons of N-521[®] PAC-24 to each 1000 gallons of total volume each week. Because of the wide variation in waters found in the oilfield, greater or lesser amounts of N-521[®] PAC-24 maybe required in a particular location.

RECIRCULATING COOLING WATER SYSTEMS

N-521[®] PAC-24 is effective for control of algae, fungi and slime forming bacteria. Dosages for recirculating cooling water systems will depend on the condition of the system prior to treatment initiation. Systems which are heavily contaminated should be cleaned first.

INITIAL DOSE: Apply 3.25 – 6.5 fluid ounces (30 – 60 ppm) per 1000 gallons of water in the system. This dose maybe a continuous treatment or applied once, twice or three times weekly or as required to control the growth of slime forming organisms.

SUBSEQUENT DOSAGE: Apply 0.5 – 3.25 fluid ounces of N-521[®] PAC-24 per 1000 gallons of water in the system as a continuous treatment daily or every three days or as required to maintain control.

BUILDING MATERIALS

N-521[®] PAC-24 is effective for the control of bacteria, fungi in water based and water dispersed construction products. N-521[®] PAC-24 can be fed at a concentration of 1000 – 10000 ppm either directly to the finished building material or to one of the raw materials which may include lignin, molasses, polymer or biopolymer dispersions, emulsions, or solutions used in formulation of building materials.

EFFECTIVE DOSAGES:

Caulking materials	1000 – 10000 ppm
Concrete admixtures	1000 – 10000 ppm
Concrete and masonry additives	1000 – 10000 ppm
Other materials and auxiliaries	1000 – 10000 ppm

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REMARKS

If you need assistance or information, please call your nearest LANXESS representative, or our Pittsburgh office at 800-LANXESS.

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**IN CASE OF EMERGENCY, CALL: CHEMTREC 1-800-424-9300
INTERNATIONAL (703)-527-3887**

**HAVE THE PRODUCT CONTAINER OF LABEL WITH YOU WHEN CALLING A POISON
CONTROL CENTER OR DOCTOR OR GOING FOR TREATMENT.**

LANXESS Corporation
111 RIDC Park West Drive
Pittsburgh, PA 15275
412-809-1000

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis at least must include testing to determine suitability from a technical as well as health, safety and environmental standpoint. Such testing has not necessarily been done by LANXESS Corporation. All information is given without warranty or guarantee. It is expressly understood and agreed that the customer assumes and hereby expressly releases LANXESS from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation not contained herein is unauthorized and shall not bind LANXESS. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.

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