



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

June 10, 2025

Marcia Croce
marcia.croce@lanxess.com
LANXESS CORPORATION

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment - Adding NFUIC language
Product Name: N-521 DISPERSION
Admin Number: 39967-105
EPA Receipt Date: 03/04/2021
Action Case Number: 00293392

Dear Marcia Croce:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

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 FIFRA and is subject to review by 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.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have questions, please contact Linda Amar via email at amar.linda@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Heather A. Garvie". The script is elegant and cursive, with the first letters of each word being capitalized and larger than the others.

Heather Garvie, Senior Regulatory Advisor
RMB 2, AD
Office of Pesticide Programs

N-521® DISPERSION Fungicide/Bactericide

INHIBITS AND CONTROLS GROWTH OF SLIME FORMING FUNGI AND BACTERIA, PRESERVES AQUEOUS SYSTEMS

{All text in brackets [xxx] is optional and may or may not be intended on a final label.}

ACCEPTED
06/10/2025
Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 39967-105

Active Ingredient:

3,5-Dimethyl-1,3,5,2H-Tetrahydrothiadiazine-2-thione19.8%

Inert Ingredients:80.2%

Total:100%

WARNING

KEEP OUT OF REACH OF CHILDREN

MAY BE HARMFUL IF SWALLOWED

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING: May be fatal if swallowed. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

FIRST AID:

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. Do not give anything by mouth to an unconscious person.

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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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

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

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.

RECOMMENDATIONS

NOTE: N-521® Dispersion should not be used in formulations containing mercurials or other components that are not compatible with sulfur compounds.

GENERAL 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 exposure conditions. For further applications information refer to the Product Information Bulletin.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Keep away from heat and flame, protect from temperatures in excess of 140°F. Do not reuse container.

STORAGE: Keep container tightly closed when not in use. Do not store near food or feedstuffs. Can be stored at temperatures as low as minus 50°F.

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:

PALS: 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.

EPA Reg. No. 39967-105

Lot No.

EPA Est. No.

NET Contents:

LANXESS

LANXESS Corporation

111 RIDC Park West Drive • Pittsburgh, PA 15275-1112

Energizing Chemistry

LABEL TEXT DATE: 3/4/2021

Product Information

N-521® DISPERSION

EPA Registration Number 39967-105

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.

PULP AND PAPER MILL SYSTEMS [(Not For Use in the State of California)]

N-521 DISPERSION is effective in inhibiting the growth of slime forming fungi and bacteria in pulp and paper mill systems. Add 5 to 20 fluid ounces of N-521 DISPERSION 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 DISPERSION should be added at a point in the system (raw stock chest, beater and/or refiner chest, or machine chest-wirepit) where there will be sufficient time and agitation for thorough dispersion. This product's active and inert ingredients are approved by the FDA (21 CFR) for indirect food contact applications related only to pulp and paper making operations.

FOR INDUSTRIALLY PREPARED WATER-BASED SUSPENSIONS (PIGMENT SLURRIES, ADHESIVES, POLYMERS AND STARCHES) USE: FOR THE PRESERVATION OF CLAY SLURRIES, ADHESIVES, COATINGS AND HIGH VISCOSITY SUSPENSIONS

N-521 DISPERSION is effective in inhibiting the growth of fungi and bacteria which cause microbiological degradation and slime formation in slurries of starch, clay, calcium carbonate or titanium dioxide; paper coatings; and high viscosity suspensions (polymers, starches, adhesives, clay slurries, glues, coating, resin emulsions) during processing at use levels of 0.04% to 0.4% by weight. The most effective product usage rate within the effective range of 0.04% to 0.4% 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 DISPERSION should be added at a point in the processing where there will be sufficient time and agitation for thorough dispersion.

OILFIELD DRILLING MUDS AND WORKOVER OR COMPLETION FLUIDS [(Not For Use in the State of California)]

N-521 DISPERSION is effective in the control of slime-forming and/or spoilage bacteria in oilfield drilling mud and completion fluids. Calculate the number of gallons of N-521 DISPERSION needed to produce a maximum concentration of 2520 ppm (0.88 lb/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 DISPERSION may be prescribed.

METHOD OF ADDITION: For best results add N-521 DISPERSION 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 DISPERSION to maintain the proper concentration.

OILFIELD WATER TREATMENT AND WATER FLOODS [(Not For Use in the State of California)]
N-521 DISPERSION is effective in the control of slime-forming and/or spoilage bacteria in oilfield water/treatment and water floods. Calculate the total volume of water to be treated. Using this volume, calculate the number of gallons of N-521 DISPERSION needed to produce a maximum concentration of 3030 ppm N-521 DISPERSION.

METHOD OF ADDITION: To maintain bacterial control, add 0.30 gallons of N-521 DISPERSION 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 DISPERSION may be required in a particular location.

RECIRCULATING COOLING WATER SYSTEMS [(Not For Use in the State of California)]

N-521 DISPERSION 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. Apply N-521 DISPERSION to the cleaned system when growth is first noticed.

INITIAL DOSE: Calculate the total volume of water to be treated. Using this volume, calculate the number of gallons of N-521 DISPERSION needed to produce a concentration of 37.5 – 72 ppm (3.25-6.4 fluid ounces) of N-521 DISPERSION per each 1000 gallons of water in the system. This dose may be a continuous treatment or applied once, twice or three times weekly or as required to control the growth of slime forming organisms.

SUBSEQUENT DOSAGE: When microbial control is evident add 0.5 to 3.25 fluid ounces (6.25 -37.5 ppm) of N-521 DISPERSION per 1000 gallons of water in the system as a continuous treatment daily or every three days as required to maintain control.

BUILDING MATERIALS [(Not For Use in the State of California)]

N-521 DISPERSION is effective for the control of bacteria, yeast and fungi in water based and water dispersed construction products. N-521 DISPERSION 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 industry 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

REMARKS

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

**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.

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 what extent they are suitable for your intended uses and applications. This application-specific analysis is 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, when the product is not used as directed. 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.