



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

June 13, 2025

Luanne Jeram
Head of Regulatory Affairs
Lanxess
luanne.jeram@lanxess.com

Subject: Label Amendment – Dodine/DGH Rate Reduction for food packaging and paperboard
Product Name: N-2013 Antimicrobial
EPA Registration Number: 39967-123
Application Date: Jan 5, 2023
Action Case Number: 00423631

Dear Luanne Jeram:

The amended label 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 conditions that were imposed on this registration. You continue to be subject to existing 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 and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the 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 12 months from the date of this letter. After 12 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 the 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 Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements 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 Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

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

If you have any questions about this letter, please contact Stephen Savage via email at savage.stephen@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read 'J. Gayoso', is centered on the page. The signature is fluid and cursive.

Jose Gayoso, Senior Regulatory Advisor
Reevaluation Branch
Antimicrobials Division (7510P)
Office of Pesticide Programs

ENCLOSURE: Stamped label

{NOTE: All text in brackets [xxx] is optional & may or may not be included on a printed label.}

N-2013 Antimicrobial

Industrial Microbiocide

[Microbicida Industrial]

For use as a preservative for paper and paperboard products

(FOR CONTROL OF BACTERIA, FUNGI AND YEASTS)

[(PARA CONTROL DE BACTERIAS, HONGOS Y LEVADURAS)]

DANGER: KEEP OUT OF REACH OF CHILDREN

FLAMMABLE LIQUID AND VAPOR

CORROSIVE; CAUSES EYE AND SKIN DAMAGE

FATAL IF INHALED; HARMFUL IF SWALLOWED

See side panel for additional precautions.

[PELIGRO:] MANTENGALO FUERA DEL ALCANCE DE LOS NIÑOS

LIQUIDO Y VAPORES INFLAMABLES

CORROSIVO; CAUSA DANO EN OJOS Y PIEL

FATAL SI SE INHALA; NOCIVO SI SE INGIERE

Si Usted no entiende la etiqueta, busque a alguien para que se lo explique a Usted en detalle.

If you do not understand the label, find someone to explain it to you in detail.]

ATTENTION

CONTAINER HEADSPACE
MAY CONTAIN HAZERDOUS
GAS OR VAPOR, OPEN
CONTAINER WITH CARE,
USING ADEQUATE
VENTILATION AND
AVOIDING IGNITION
SOURCES.

DO NOT USE AIR PRESSURE
OR APPLY HEAT WITH
OPEN FLAME TO REMOVE
CONTENTS OF CONTAINER.
AFTER EMPTIED,

CONTAINER
MAY RETAIN SOLID, LIQUID
AND/OR VAPOR RESIDUES,
CONTINUE TO OBSERVE
ALL PRECAUTIONS, IF ANY,
ON LABEL.

DO NOT CUT, PUNCTURE
TORCH OR WELD ON OR
NEAR EMPTIED
CONTAINER.

DO NOT USE FOR OTHER
PURPOSES

[ATENCION

EL ESPACIO LIBRE DEL
TAMBOR PUEDE
CONTENER GAS O VAPOR
NOCIVOS.. ABRA EL
TAMBOR CON CUIDADO,
USANDO VENTILACION
ADECUADA Y EVITANDO
FUENTES DE IGNICION.

NO USE AIRE A PRESIÓN NI
APLIQUE CALOR CON
LLAMA ABIERTA, PARA
REMOVER EL CONTENIDO
DEL TAMBOR.

OBSERVE LAS MISMAS
PRECAUCIONES CUANDO
EL TAMBOR ESTE VACIO YA
QUE PUEDE CONTENER
RESIDUOS SOLIDOS,
LIQUIDOS Y/O VAPORES.

NO PERFORE, CORTE O
SUELDE EN O CERCA DEL
TAMBOR VACIO.

NO UTILICE EL TAMBOR
VACIO PARA OTROS
USOS.]

EPA REG No. 39967-123

EPA EST No.

ACTIVE INGREDIENT [/ INGREDIENTE ACTIVO]

Dodecylguanidine hydrochloride [/ Clorohidrato de dodecilguanidina].....35%

OTHER INGREDIENTS [/ OTROS INGREDIENTES].....65%

TOTAL.....100%

LOT [/ LOTE No.]

NET CONTENTS:

(2.64 pounds active ingredient per gallon)

NET WEIGHT [/ PESO NETO]:

LANXESS
Energizing Chemistry

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

ACCEPTED

06/13/2025

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 39967-123

Emergency Phone (CHEMTREC): 1-800-424-9300

Read all parts of this label

[LEA CUIDADOSAMENTE ESTA ETIQUETA]

12/29/2022

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Corrosive. Causes irreversible eye damage. Causes skin burns. May be fatal if inhaled. Do not breathe vapor or spray mist. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses) and respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with an N, R, P, or HE prefilter. Wear coveralls over long-sleeve shirt, long pants, socks, chemical-resistant footwear, and chemical resistant gloves (Nitrile rubber). Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

FIRST AID

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.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.• Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none">• Call 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 the poison control center or doctor.• Do not give anything by mouth to an unconscious person.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment.

NOTE TO PHYSICIAN

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

USER SAFETY RECOMMENDATIONS

User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

STORAGE AND DISPOSAL

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

STORAGE: Keep away from heat, sparks, and open flame. Do not puncture or incinerate container. Store this product between 60°F and 110°F. Keep drum tightly closed when not in use.

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 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 this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.

Triple rinse container (or equivalent) promptly after emptying, as follows. Empty the remaining contents in to application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. 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 the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Once cleaned, offer the container for recycling or reconditioning or puncture and dispose of in a sanitary landfill.

IN CASE OF ACCIDENT: For large spills, a NIOSH approved, positive pressure, self-contained respirator and rainsuit is recommended. Cover spills with some inert absorbent material. Sweep up absorbed spill and place in a waste disposal container for proper disposal. Flush spill area with water.

FIRE: On small fire use dry chemical or carbon dioxide. On a large fire use water spray or alcohol foam. Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms. 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 Pollution 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.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame. Product is incompatible with oxidizing agents.

[FOR INDUSTRIAL PURPOSES ONLY]

[PARA USO INDUSTRIAL EXCLUSIVAMENTE (Art. 1223 LGS)]

DIRECTIONS FOR USE

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

Product is not intended for controlling microorganisms in the pulp and paper process water itself. This process additive product is effective in controlling microorganisms such as bacteria, fungi and yeasts which cause deterioration of finished paper and paperboard products or articles molded from paper pulp. It may be added to the pulp stock in the beater or applied to the formed sheet by size press or rollcoater, or as a uniform spray. If the product is used as a beater additive, the degree of retention of the active ingredient will depend upon the nature of the other additives in the system.

FOOD PACKAGING:

For paper and paperboard intended for use in direct contact with food, the rate of application of this product must be adjusted so that the amount of the active ingredient retained does not exceed 0.045 percent by weight of the paper or paperboard. Paper or paperboard so treated may be used only in contact with nonalcoholic food having a pH above 5. A concentration of up to 0.045 percent by weight may be required for effective microbial control.

This product may also be used in the outermost ply of multiwall paper bags intended for use as containers for dry food (i.e., dry solids with the surface containing no free fat or oil), provided the amount of active ingredient retained does not exceed 0.045 percent by weight of that ply.

PAPER AND PAPERBOARD PRODUCTS FOR INDUSTRIAL OR AGRICULTURAL USE:

When the paper or paperboard product is to be subjected to excessive leaching as by rainfall or contact with ground water, a concentration of up to 0.045 percent of active ingredient (dodecylguanidine hydrochloride) by weight of the paper or paperboard may be required for effective microbial control.