

e. Revise the statement:

Causes eye and skin irritation.

to read:

Causes severe eye and skin damage.

f. Add the following statements to the precautionary labeling section:

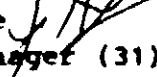
Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Remove and wash contaminated clothing.

g. Delete the word: Prevent (mold and mildewstat section). This product inhibits the growth of mold and mildew.

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 bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

John H. Lee 
Product Manager (31)
Disinfectants Branch
Registration Division (TS-767C)

Enclosure

DIRECTIONS FOR USE

General Classification

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

N-Germ detergent/disinfectant has been designed specifically for hospitals, nursing homes, schools, food processing plants and other institutions where housekeeping is of prime importance.

DISINFECT, ON-To disinfect hard inanimate surfaces (such as walls, floors, table tops), add 2 ounces N-Germ detergent/disinfectant per gallon of water. Apply solution with mop, cloth, or sponge or mechanical sprayer so as to wet thoroughly. Allow to remain wet for 10 minutes and then let air dry.

To disinfect toilet bowls, flush toilet, add 2 ounces N-Germ detergent/disinfectant directly to the bowl water. Swab the bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 minutes and flush.

For heavily soiled areas, a pre-cleaning step is required and recommended. Prepare a fresh solution for each use.

MILDEWSTAT-To control mold and mildew on pre-cleaned, hard non-porous surfaces (such as floors, walls, table tops) add 2 ounces N-Germ per gallon of water. Apply solution with a cloth, mop, or sponge making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth reappears.

SANITIZATION-To sanitize previously cleaned and rinsed non-porous food contact surfaces, prepare 200 ppm active quaternary N-Germ solution by adding 2 ounces N-Germ to 3 1/2 gallons of water.

To sanitize immobile items (such as tanks, chopping blocks, counter tops), flood the area with 200 ppm N-Germ solution or apply with a cloth or sponge, making sure to wet all surfaces completely for at least 60 seconds. Let air dry. Prepare a fresh solution for each use.

To sanitize mobile items (such as drinking glasses, eating utensils), immerse in 200 ppm N-Germ solution for at least 60 seconds making sure to immerse completely. Remove and let air dry. Prepare a fresh solution daily or more frequently as soil is apparent.

PRECAUTIONARY STATEMENTS

Hazard to Human and Domestic Animals

DANGER

Keep Out of Reach of Children. Causes eye and skin irritation. Do not get in eyes, skin or on clothing. Harmful if swallowed.

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash all contaminated clothing before reuse. If swallowed, drink milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Call a 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.

N-GERM

ACCEPTED
NET CONTENTS
In EPA Letter Dated:

AUG 20 1985

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide

REGISTERED under EPA Reg. No.
DETERGENT 37892-2
DISINFECTANT
DEODORIZER
SANITIZER
MILDEWSTAT (on hard inanimate
surfaces)

DISINFECTANT
FUNGICIDE (against
pathogenic fungi)
VIRUCIDE*

ACTIVE INGREDIENTS:

n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18)	
dimethyl benzyl ammonium chlorides	2.25%
n-Alkyl (88% C12, 32% C14)	
dimethyl ethylbenzyl ammonium chlorides	2.25%
INERT INGREDIENTS	95.50%
	Total 100%

ONLY FOR SALE TO, USE, AND
STORAGE BY SERVICE PERSONS

KEEP OUT OF REACH OF CHILDREN

DANGER

side panels for additional precautionary
and first aid statements

EPA Registration No.

34892-2

EPA Establishment No.

24892N.Y.01

Net Contents

MANUFACTURED BY:
RUSSELL PRODUCTS CO.,
2253 Light Street, Bronx, N.Y.

N-Germ
detergent/disinfectant
deodorizing, disinfecting,
detergent/disinfectant
hospitals, nursing
other institutions w
controlling the h

N-Germ, when diluted,
an effective disinfectant
aeruginosa and may
used as directed,
inanimate hard sur
bowls, tables, chair
areas such as op
restrooms, the pro
cleaning and disin
In addition, N-Germ
hard to keep fresh
empty garbage bins
which are prone to
DISINFECTION-AI
exhibits effective di

Pseudomonas aer
Escherichia coli
Klebsiella pneum
Salmonella schum
Salmonella cholera
Streptococcus sa

At this level the pro
fungi, Trichophyton

VIRUCIDAL* AC
environmental inana
water exhibits effec
Asian (representativ
(causative agent of
virus type 2 (Sapporo
Vaccinia virus (repr

EFFICACY TEST
AN EFFECTIVE BA
IN THE PRESENCE

MOLD and MILDEW
mold and mildew on
inanimate surfaces.

SANITIZATION-wh
cleaned food equip
uniformly to 700
RINSE is required N-
water up to 250 ppm

STORAGE

tightly closed and
to children. Do not
or damaged.

Pesticide
with resistance
at the site or al

*Contains
do not reuse and
with water. Helio
and dispose of in
approved by state
may be disposed
allowed by local
of course.

BIOBAN P-1487[®]

ANTIMICROBIAL AGENT

ACTIVE INGREDIENTS

4-(2-Nitrobutyl)morpholine

70% by wt

4,4'-(2-Ethyl-2-nitrotrimethylene)dimorpholine

20% by wt

INERT INGREDIENTS

10% by wt

TOTAL 100%

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER!

CAUSES SEVERE EYE DAMAGE AND SKIN BURNS.
MAY CAUSE ALLERGIC SKIN REACTION.
HARMFUL OR FATAL IF SWALLOWED OR ABSORBED
THROUGH THE SKIN.

Do not get in eyes, on skin, on clothing.

Causes skin sensitization.

Wear goggles or face shield and rubber gloves when handling.

Wash thoroughly after handling.

Avoid breathing vapor or mist.

Avoid contamination of food.

Do not take internally.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not discharge into lakes, streams, ponds, or public waters, unless in accordance with an NPDES permit. For guidance contact your Regional Office of the EPA. Do not contaminate waters by cleaning of equipment or disposal of waste.

ANGUS Chemical Company assumes no responsibility when this product is not used in accordance with the instructions and information contained on this label.

KEEP OUT OF REACH OF CHILDREN

DANGER!

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush with plenty of water for at least 15 minutes. Call a physician immediately.

IF ON SKIN: Wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse.

IF INHALED: Remove immediately to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.

IF SWALLOWED: Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, or gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsions may be needed.

SEE SIDE PANEL FOR
ADDITIONAL PRECAUTIONS AND OTHER INFORMATION

EPA REG. NO. 48301-7AA

A-138

Printed in U.S.A.

ANGUS[®]

ANGUS Chemical Company
2211 Sanders Road
Northbrook, IL 60062 U.S.A.

DIRECTIONS FOR USE

GENERAL CLASSIFICATION

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. 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.

FOR USE IN METALWORKING FLUIDS

To control the growth of microorganisms in the fluid.

In concentrate, BioBan P-1487 is soluble in organic solvents and may be incorporated by the manufacturer in the cutting fluid concentrate. It normally will be stable in such concentrates as long as the pH is maintained above 8. However, long-term stability tests should be carried out by the manufacturer on his specific formulations to ensure that the concentrate does not contain ingredients incompatible with BioBan P-1487 stability. The amount to be incorporated will depend on the dilution factor recommended to be used when the concentrate is diluted for use. For efficient bacteriostatic activity, a concentration of 1070 ppm in the diluted fluid is suggested.

In diluted fluid, An initial concentration of 1000 ppm of BioBan P-1487 is normally sufficient to control gross microbial contamination of freshly diluted metalworking fluids for a period of several weeks at ambient temperatures. The degree of control is influenced by the composition of the metalworking fluid, the pH, the conditions of use, and other factors. Under conditions of severe microbial contamination, a concentration of BioBan P-1487 as high as 3000 ppm may be required temporarily.

Maintenance dosage. Periodic addition of BioBan P-1487 to the metalworking fluid will extend its activity in controlling gross microbial contamination after the initial charge. Additions of 100 ppm to 200 ppm of BioBan P-1487 at weekly intervals usually are recommended.

Note: Transitory eye irritation can occur from exposure to vapors produced during the use of metalworking fluids containing BioBan P-1487. Should eye irritation occur, further exposure should be prevented by vacating the area or by using protective goggles.

FOR USE IN HYDROCARBON PRESERVATION

To control the growth of problem microorganisms associated with the fuel.

In general use. Add BioBan P-1487 to storage tanks or fuel tanks for control of microbial growth in diesel oil, fuel oil, gasoline, or kerosene. Treatment may be performed by slug dosage or by intermittent metering to attain a concentration of 250-1000 ppm of BioBan P-1487.

For storage above water. Add 1 gallon of BioBan P-1487 to each 1000 gallons of water in the bulk storage system to achieve a concentration of approximately 1000 ppm. To facilitate mixing, dissolve each gallon of BioBan P-1487 in 100 gallons of water and add this solution directly to the water phase in the tank with minimal agitation.

For storage in tanks without intentional water. Add 0.25-1 gallon of BioBan P-1487 directly to each 1000 gallons of hydrocarbon in the system to obtain a concentration of approximately 250-1000 ppm.

In a fuel-treatment pre-mix. BioBan P-1487 may be mixed with other fuel additive for addition to fuel. The end user must add sufficient BioBan P-1487 to the pre-mix to provide 250-1000 ppm of BioBan P-1487 in the treated fuel.