

NOV 25 1988

Drew Industrial Division  
One Drew Plaza  
Boonton, NJ 07005

Attention: N.S. Salomons

Gentlemen:

Subject: BIO SPERSE 3280  
EPA Registration No. 1757-69  
Your Submission Dated July 3, 1987  
EPA Received Date September 10, 1987

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

1. Delete the term "General Classification" from the label.
2. Revise the Environmental Hazards statement to read as follows:

Environmental Hazards

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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CONCURRENCES

SYMBOL							
SURNAME							
DATE							

3. Revise the "Disposal" heading to read as follows:

Pesticide Disposal.

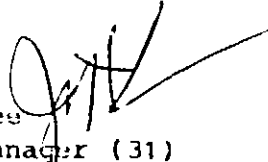
4. Add the subheading "Container Disposal."

Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

If you have any questions, please contact Karen Leavy at (703) 557-3966.

Sincerely yours,

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

Enclosure

# MICROBIOCIDES FOR INDUSTRIAL USE ONLY

This product is an effective preservative useful in controlling the growth of bacterial and fungal organisms responsible for degrading leather during hide processing and tanning manufacturing.

## DIRECTIONS FOR USE

### GENERAL CLASSIFICATION:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Refer to the BIOSPERSE® 3280 microbicide Product Data Sheet for use directions and other technical information.

## STORAGE AND DISPOSAL

**STORAGE:** Do not contaminate water, food, or feed by storage or disposal. Store in a cool dry place. Avoid extreme heat or freezing. Keep container closed. Do not store in confined areas where vapors can concentrate.

**DISPOSAL:** Wastes (pesticide or rinsate) resulting from the use of this product that cannot be used or chemically reprocessed may be disposed of on site or at an approved waste disposal facility.

Triple rinse (or equivalent) all containers 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. Plastic containers may also be disposed of by incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## ACTIVE INGREDIENTS

Sodium dimethyldithiocarbamate ..... 15%  
Nabam (Disodium Ethylene  
Bisdithiocarbamate) ..... 15%

INERT INGREDIENTS: ..... 70%

## PRECAUTIONS

HAZARD AND IRRITATION

## KEEP OUT OF REACH OF CHILDREN WARNING

### STATEMENT OF PRACTICAL TREATMENT

If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution. If these are not available, drink large quantities of water. Call a physician immediately.

If on skin, wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse.

If in eyes, flush with plenty of water for at least 15 minutes. Call physician.

Causes skin and eye irritation on skin, or on clothing if absorbed through skin.

Wear goggles, gloves, and clothing (long sleeves and pants) when handling. See statement of first aid.

## ENVIRONMENTAL

This pesticide is not to be treated effluent to public waters without NPDES permit. Regional Office

SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

EPA Reg. No. 1757-69  
EPA Est. No. 1757-NJ-1  
1757-NJ-2  
1757-TX-1

NOV 25 1988

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide  
registered under EPA Reg. No.  
51033-56



**Drew Industrial Division**  
AAR AND CHEMICAL COMPANY DIV. AAR AND CHEMICAL INC.  
One Drew Plaza, Boonton, New Jersey 07005  
Phone (201) 263-7600/Telex 136444

NET CONTENTS

IMPORTANT NOTICE: See side panel for chemical description and under normal conditions. THIS PRODUCT IS TO BE USED EXCLUSIVELY AND ARE IN LIQUID FORM. ORAL OR IMPLIED WARRANTIES ARE HEREBY EXPRESSLY SET FORTH AND DISCLAIMED.

Manufactured in the United States  
ES 540-R-12/84

growth of bacterial and fungal organisms responsible for leather during hide processing and leather manufacture. Because of the decomposable nature of leather, mold growth is a source of constant concern to the leather manufacturer. This problem is controlled with the use of BIOSPERSE® 3280.

BIOSPERSE® 3280 will cause no deleterious effects in the finished leather material.

BIOSPERSE® 3280 is chemically resistant to the effects of intense heat or light. This product is effective through the entire pH range. When used as directed, BIOSPERSE® 3280 is noncorrosive and odorless.

### TYPICAL PROPERTIES

Composition:	A synergistic blend of selected organosulfur compounds and solubilizing agents.
Active Solids:	30.0% (minimum)
Appearance:	Clear, yellow-green liquid
Odor:	Mild H <sub>2</sub> S
Flash Point:	None (PMCC)
pH:	10.5-12.5 (neat)
Specific Gravity:	1.13-1.17 (at 25°C)
Weight/Gallon:	9.8 pounds
Water Solubility:	Complete in all proportions

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

NOV 25 1988

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

51033-56

All statements, information and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, express warranty or implied warranty of merchantability or fitness for a particular purpose or representation, express or implied, for which seller assumes legal responsibility, and they are offered solely for your consideration, investigation and verification. Statements or suggestions concerning possible use of this product are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe on any patent.

## DIRECTIONS

Dosage: The dosage of BIOSPERSE® 3280 for the following preservative applications will depend on a number of factors, such as the type of system to be preserved, the nature and extent of fungal contamination and the degree of control required. The most effective concentration of BIOSPERSE® 3280 for each intended application can be determined by actual test.

ACCEPTED  
COMMENTS  
Letter Dated:

1988

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

BIOSPERSE® 3280 microbiocide can be added directly from the drum as per the following dosage schedules: **51033-56**

**Brining and Curing:** BIOSPERSE® 3280 will retard bacteria and fungal growth and aid in the preservation of stored hides when added to the raceway at the rate of 2.3-3.5 pints per 100 hides processed. Agitation insures good mixing and penetration of the toxicant.

**Soaking Liquors:** Prevent loss of hide substance due to fungal action in soaking liquors with a dosage of 0.03% (0.6 pounds of BIOSPERSE® 3280 per ton) of solution.

If hides are held longer than two weeks, the dosage of BIOSPERSE® 3280 should be increased to 0.05% (1.0 pound of product per ton) of solution.

**Pickling Liquor:** Mold damage of pickled stock can be prevented for three weeks by the use of 0.05% to 0.10% (0.5 - 1.0 pounds of BIOSPERSE® 3280 per 1000 lbs.) of white weight. BIOSPERSE® 3280 should be added prior to the addition of sulfuric acid.

**Tanning:** BIOSPERSE® 3280 will protect chrome and vegetable tanned stock against mold decomposition. If "blue splitting" is done, the protection is extended to the split which may be held in the moist condition before processing.

Depending upon the climate and length of holding time, BIOSPERSE® 3280 should be added at the rate of 0.06% to 0.1% (0.6 - 1.0 pounds of product per 1000 pounds) of white weight. BIOSPERSE® 3280 should be added prior to the last bicarbonate addition.

**Fat Liquoring:** Extracts, filters and oils are usually present to cause fat liquoring stock to be very susceptible to mold damage. It is recommended that BIOSPERSE® 3280 be added at a dosage of 0.05 to 0.10 (0.5 - 1.0 pounds per 1000 pounds) of wet weight.

## IMPORTANT INFORMATION

Drew maintains Material Safety Data Sheets (MSDS) on all of our products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products.

We recommend that you obtain our Material Safety Data Sheet which should be read and understood by all supervisory personnel and employees before using this product in your facilities.

E.P.A. Reg. No. 1757-69