



Curtin Matheson Scientific, Inc.
1225 N MICHAEL DRIVE

WOOD DALE, IL 60191-1019

FISONS

SEP 13 1994

MATERIAL SAFETY DATA SHEET

MAIL TO: UNIVERSITY OF WISCONSIN

WHITEWATER CENTRAL
RECEIVING STORES
N FREMONT ST

WHITEWATER, WI 53190

SECTION 1 - NAME AND PRODUCT

MANUFACTURER NAME AND ADDRESS

DIFCO LABORATORIES
P O BOX 331058

DETROIT MI 48232

EMERGENCY PHONE 800-521-0851

CHEMICAL NUMBER: D1649-354

ITEM NUMBER: 0422494

VNDR CATLG NBR:

ENTRY DATE: 08-16-91

CHANGE DATE: 08-26-91

PO NUMBER: UNES0369

COMMON NAME (ON LABEL)

BACTROL DISKS

CHEMICAL FAMILY

NOT GIVEN

TRADE NAME & SYNONYMS

BACTROL DISKS

CHEMICAL FORMULA

NOT GIVEN

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS	% (WT)	TLV	PEL
SEE OTHER INGREDIENT INFORMATION		.00	NOT GIVEN	NOT GIVEN

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1986-87.

OTHER INGREDIENT INFORMATION

BACTROL DISKS ARE NOT HAZARDOUS AS DEFINED BY OSHA 1910.1200. HOWEVER, AS LIVE MICROORGANISMS THEY ARE BIOHAZARDS. THEREFORE, OBSERVE INSTRUCTIONS IN SECTIONS 7 AND 9.

SECTION 3 - PHYSICAL DATA

BOILING POINT N/A	VOLATILE BY VOLUME (%) N/A	VAPOR PRESSURE N/A
MELTING POINT N/A	VAPOR DENSITY N/A	SOLUBILITY IN WATER N/A
EVAPORATION RATE (= 1) N/A	SPECIFIC GRAVITY N/A	
APPEARANCE AND ODOR N/A		

OTHER PHYSICAL DATA

NO OTHER PHYSICAL DATA GIVEN.

Continued on Reverse Side

SECTION 4 - FIRE AND EXPLOSION DATA**FLASH POINT**

N/A

LOWER EXPLOSIVE LIMIT

N/A

UPPER EXPLOSIVE LIMIT

N/A

EXTINGUISHING MEDIA

N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS

N/A

SPECIAL FIRE FIGHTING PROCEDURES

N/A

SECTION 5 - HEALTH HAZARD DATA**HEALTH HAZARDS (ACUTE & CHRONIC)**
SEE SIGNS AND SYMPTOMS OF OVEREXPOSURE.**PRIMARY ROUTES OF EXPOSURE**
INHALATION, INGESTION, ABSORPTION**SIGNS AND SYMPTOMS OF EXPOSURE**
POTENTIAL FOR INFECTION IF USED WITH IMPROPER TECHNIQUE. SEE SECTION 10 -
SPECIAL PRECAUTIONS.

SECTION 5 - HEALTH HAZARD DATA (CONTINUED)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
NONE INDICATED.

CARCINOGENICITY

INDICATORS NOT GIVEN

NTP Yes No

IARC Yes No

OSHA Yes No

NOT INDICATED.

EMERGENCY AND FIRST AID PROCEDURES

CALL A PHYSICIAN IN THE EVENT OF INHALATION, INGESTION, OR ABSORPTION.

THRESHOLD LIMITS / TOXICITY DATA

TLV: N/A. PEL: N/A.

SECTION 6 - REACTIVITY DATA

STABILITY Unstable Stable

CONDITIONS TO AVOID

N/A

INCOMPATIBILITY (MATERIALS TO AVOID)

N/A

SECTION 6 - REACTIVITY DATA (CONTINUED)

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

N/A

HAZARDOUS POLYMERIZATION May Occur Will Not Occur

CONDITIONS TO AVOID

N/A

SECTION 7 - SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

- 1.) OBTAIN A SUITABLE BACTERICIDAL SOLUTION SUCH AS 70-90% ISOPROPYL ALCOHOL, 1-2% PHENOL, QUATERNARY COMPOUND OR A LIQUID CHLORINE LAUNDRY BLEACH.
- 2.) REMOVE UNBROKEN VIALS WITH FORCEPS AND WASH THEIR SURFACES WITH THE ABOVE BACTERICIDAL SOLUTION. UNBROKEN VIALS MAY BE RETAINED FOR FUTURE USE.
- 3.) COLLECT EXPOSED DISKS AND CONTAMINATED PACKAGING IN A SUITABLE CONTAINER AND FOLLOW "WASTE DISPOSAL METHODS."
- 4.) WASH ALL EXPOSED SURFACES WITH THE ABOVE BACTERICIDAL SOLUTION.

WASTE DISPOSAL METHOD

AUTOCLAVE FOR 30 MINUTES AT 15 POUNDS PRESSURE (121 DEG. C), THOROUGHLY INCINERATE, OR SUBMERGE EXPOSED DISKS IN A LIQUID CHLORINE LAUNDRY BLEACH FOR 30 MINUTES.

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

N/A

LOCAL VENTILATION

N/A

MECHANICAL VENTILATION

N/A

SPECIAL VENTILATION

N/A

SECTION 8 - SPECIAL PROTECTION INFORMATION (CONTINUED)

OTHER VENTILATION
N/A

PROTECTIVE GLOVES
N/A

EYE PROTECTION
N/A

OTHER PROTECTIVE CLOTHING OR EQUIPMENT
N/A

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
BACTROL DISKS CONTAIN VIABLE MICROORGANISMS AND SHOULD BE USED ONLY IN LABORATORIES BY MICROBIOLOGISTS OR PERSONS UNDER THE SUPERVISION OF A MICROBIOLOGIST, QUALIFIED BY TRAINING OR EXPERIENCE TO WORK WITH BACTERIA.

SECTION 10 - OTHER INFORMATION

MISCELLANEOUS INFO.
N/A = NOT APPLICABLE.