



Curtin Matheson Scientific, Inc.
 1225 N MICHAEL DRIVE
 WOOD DALE, IL 60191-1019

FISONS

MATERIAL SAFETY DATA SHEET

MAIL TO: MICHIGAN STATE UNIV
 RECEIVING DEPT.
 133 WEST SERVICE DR.
 EAST LANSING, MI 48824

SECTION 1 - NAME AND PRODUCT

MANUFACTURER NAME AND ADDRESS DIFCO LABORATORIES P O BOX 331058 DETROIT MI 48232	CHEMICAL NUMBER: D3352-543
	ITEM NUMBER: 0422221
EMERGENCY PHONE (313) 961-0800	VNDR CATLG NBR:
	ENTRY DATE: 12-01-89
COMMON NAME (ON LABEL) ROSE BENGAL ANTIMICROBIC SUPPLEMENT C	CHANGE DATE: 12-28-90
	PD NUMBER: 331987-MAB
TRADE NAME & SYNONYMS	CHEMICAL FAMILY NOT GIVEN
	CHEMICAL FORMULA NOT GIVEN

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS	% (WT)	TLV	PEL
CHLORAMPHENICOL (CARCINOGEN)	*	83.30	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
 CHLORAMPHENICOL: CARCINOGEN, 2500MG/KG(OR-RAT); (CAS #56-75-7)
 83.3%; TLV: N/E. N/E = NOT ESTABLISHED.

SECTION 3 - PHYSICAL DATA

BOILING POINT N/A	VOLATILE BY VOLUME (%) N/A	VAPOR PRESSURE N/A
MELTING POINT NOT GIVEN	VAPOR DENSITY N/A	SOLUBILITY IN WATER COMPLETE
EVAPORATION RATE (= 1) N/A	SPECIFIC GRAVITY N/A	
APPEARANCE AND ODOR DRY, WHITE CAKE		

OTHER PHYSICAL DATA

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)

CHLORAMPHENICOL HAS BEEN EVALUATED BY IARC AS A HUMAN SUSPECTED
 CARCINOGEN. WARNING!!!!!!CAUSES IRRITATION. MAY
 CAUSE ALLERGIC SKIN REACTION. MAY CAUSE ALLERGIC RESPIRATORY REACTION.
 AVOID PROLONGED OR REPEATED CONTACT WITH EYES, SKIN,
 AND CLOTHING. AVOID BREATHING DUST OR MIST.

PRIMARY ROUTES OF EXPOSURE

INHALATION.

SIGNS AND SYMPTOMS OF EXPOSURE

CHLORAMPHENICOL HAS BEEN EVALUATED BY IARC AS A HUMAN SUSPECTED CARCINOGEN. WARNING: CAUSES
 IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY CAUSE ALLERGIC RESPIRATORY REACTION. AVOID
 PROLONGED OR REPEATED CONTACT WITH EYES, SKIN, AND CLOTHING. AVOID BREATHING DUST OR MIST. KEEP
 CONTAINER CLOSED. USE IN ADEQUATE VENTILATION.

SECTION 5 - HEALTH HAZARD DATA (CONTINUED)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

CARCINOGENICITY

R.T.E.C.S. AB6825000

NTP Yes No

IARC Yes No

OSHA Yes No

EMERGENCY AND FIRST AID PROCEDURES

IN CASE OF CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. FLUSH SKIN WITH WATER. WASH CLOTHING BEFORE REUSE.

THRESHOLD LIMITS / TOXICITY DATA

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

SECTION 7 - SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

SWEEP UP BULK OF POWDER AND DISPOSE OF IT PER LOCAL AND FEDERAL PROCEDURES. WIPE UP RESIDUE WITH A DAMP SPONGE OR MOP, AND RINSE DOWN DRAIN WITH PLENTY OF WATER.

WASTE DISPOSAL METHOD

ACCORDING TO LOCAL AND FEDERAL PROCEDURES.

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

N/A

LOCAL VENTILATION

N/A

MECHANICAL VENTILATION

N/A

SPECIAL VENTILATION

NOT GIVEN

SECTION 8 - SPECIAL PROTECTION INFORMATION (CONTINUED)

OTHER VENTILATION

PROTECTIVE GLOVES

SUGGESTED

EYE PROTECTION

N/A

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

N/A

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
WASH EXPOSED SKIN WITH SOAP AND WATER AFTER HANDLING.

SECTION 10 - OTHER INFORMATION

MISCELLANEOUS INFO.

THE INFORMATION, DATA AND RECOMMENDATIONS CONTAINED HEREIN WERE PROVIDED TO CMS BY THE MANUFACTURER NAMED ON THIS MATERIAL SAFETY DATA SHEET. CMS MAKES NO WARRANTY OF ANY KIND WHATEVER WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON. CMS RESERVES THE RIGHT TO REVISE THIS MATERIAL SAFETY DATA SHEET AS NEW INFORMATION IS PROVIDED TO IT BY ITS MANUFACTURER.