

SIGMA-ALDRICH

ATTN: SAFETY DIRECTOR

SIGMA CHEMICAL COMPANY POST OFFICE BOX 14508 SAINT LOUIS, MISSOURI 63178, USA

EMERGENCY PHONE 1-314-771-5765

DATE 08/23/96 CUST#: 2-097-94804 PO#: MCARD 08/21/96

SEP 0 4 1998

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UNIVERSITY OF WISCONSIN WHITEWATER ACCOUNTS PAYABLE PO BOX 296 WHITEWATER WI 53190-0296

	MATERIAL	SAFETY	DATA	SHEET	PAGE
SECTION 1	СНЕМ	ICAL IDENTIFI	 CATION	-	
CATALOG #: NAME:	C7522 CALCIUM	I IONOPHORE A2	3187 FREE	ACID	
SECTION 2	COMPOSITION/	INFORMATION O	N INGREDIE	NTS	***
CAS #: 52665- MF: C29H37N3O EC NO: 258-0	69-7 84-1				
SYNONYMS A 23187 * ANT	IBIOTIC A23187 *	CALCIMYCIN *	IONOPHORE	A23187 *	
SECTION 3	– – – – – H A	ZARDS IDENTIF	ICATION -		W
IN CASE OF CO	NARY STATEMENTS HALATION, IN CON IRRITATION, NTACT WITH EYES, K MEDICAL ADVICE PROTECTIVE CLOT	RINSE IMMEDI	ATELY WITH	PLENTY OF	
SECTION 4	FI	RST-AID MEASU	RES	5551 557 <u></u>	-
CALL A PHYSIC IN CASE OF SK FOR AT LEAST SHOES. CALL A IF INHALED, R CALL A PHYSIC	IN CONTACT, FLUS 15 MINUTES. REMO PHYSICIAN. EMOVE TO FRESH A	H WITH COPIOUS VE CONTAMINATION OF LIFE BREATHS	S AMOUNTS ED CLOTHIN ING BECOME	OF WATER G AND S DIFFICULT,	
SECTION 5	FIRE	FIGHTING MEAS	SURES	3	
EXTINGUISHING MI CARBON DIOXID	EDIA E, DRY CHEMICAL	POWDER OR APPI	ROPRIATE F	DAM.	
WEAR SELF-CON'	HTING PROCEDURES TAINED BREATHING CT WITH SKIN AND	APPARATUS ANI	D PROTECTI	VE CLOTHING	TO
SECTION 6	ACCIDE	NTAL RELEASE N	MEASURES-		
WEAR SELF-CON	TAINED BREATHING	APPARATUS, RU	JBBER BOOT:	S AND HEAVY	
	CO	NTINUED ON NEX	XT PAGE		

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SHEET

C7522 CATALOG #: CALCIUM IONOPHORE A23187 FREE ACID NAME: RUBBER GLOVES. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE. -- - HANDLING AND STORAGE- - -SECTION 7. - -REFER TO SECTION 8. SECTION 8. - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- -NIOSH/MSHA-APPROVED RESPIRATOR. USE ONLY IN A CHEMICAL FUME HOOD. COMPATIBLE CHEMICAL-RESISTANT GLOVES. CHEMICAL SAFETY GOGGLES. SECTION 9. - - - -- - - PHYSICAL AND CHEMICAL PROPERTIES APPEARANCE AND ODOR SOLID. PHYSICAL PROPERTIES MELTING POINT: SOLUBILITY: 186-188**'**C SOLUBLE-CHLOROFORM SECTION 10. - - - - - - - - STABILITY AND REACTIVITY -STABILITY STABLE. HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
THERMAL DECOMPOSITION MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE, AND NITROGEN OXIDES. HAZARDOUS POLYMERIZATION WILL NOT OCCUR. - - - TOXICOLOGICAL INFORMATION -SECTION 11. - - -ACUTE EFFECTS HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. CAUSES SEVERE IRRITATION. DEPENDING ON THE INTENSITY AND DURATION OF EXPOSURE, EFFECTS MAY VARY FROM MILD IRRITATION TO SEVERE DESTRUCTION OF TISSUE. THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. ECS #: DM4676000
4-BENZOXAZOLECARBOXYLIC ACID,
5-(METHYLAMINO)-2-((3,9,11-TRIMETHYL-8-(1-METHYL-2-OXO-2-(1H-PYRROL-2-YL)ETHYL)-1,7-DIOXASPIRO(5.5)UNDEC-2-YL)METHYL), RTECS CONTINUED ON NEXT PAGE

MATERIAL SAFETY DATA



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SAFETY DATA SHEET MATERIAL

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CATALOG #: NAME:

C7522 CALCIUM IONOPHORE A23187 FREE ACID

(6S-(6-ALPHA(2S*,3S*),8-BETA(R*), 9-BETA,11-ALPHA))-

TOXICITY DATA
IPR-RAT LD50:9200 UG/KG
IPR-MUS LD50:10 MG/KG
IVN-MUS LD50:4500 UG/KG

TARGET ORGAN DATA
SENSE ORGANS AND SPECIAL SENSES (PTOSIS)
BEHAVIORAL (MUSCLE WEAKNESS)
LUNGS, THORAX OR RESPIRATION (DYSPNAE)
ONLY SELECTED REGISTRY OF TOXIC EFFECTS
(RTECS) DATA IS PRESENTED HERE. SEE ACTU OF CHEMICAL SUBSTANCES SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

- ECOLOGICAL INFORMATION SECTION 12. - - -

DATA NOT YET AVAILABLE.

SECTION 13. - - - DISPOSAL CONSIDERATIONS -

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

-- TRANSPORT INFORMATION -- -SECTION 14.

CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

REGULATORY INFORMATION -SECTION 15. - - -

EUROPEAN INFORMATION

HARMFUL R 20/21/22 HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. S 36/37/39
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

SECTION 16. -

- - - OTHER INFORMATION-

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SHEET MATERIAL SAFETY DATA

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CATALOG #: NAME:

C7522 CALCIUM IONOPHORE A23187 FREE ACID

P.O. BOX 355 MILWAUKEE, WISCONSIN 53201, USA

MATERIAL WAS SHIPPED TO THIS ADDRESS:
UNIVERSITY OF WISCONSIN
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ATTN/LANCE IRVIN
DEPT/BIOLOGICAL SCI
RM/303 UPHAM HALL
WHITEWATER WI 53190