

ATTN: SAFETY DIRECTOR

EMERGENCY PHONE 1-314-771-5765

DATE 05/27/97 CUST#: 2-097-94816 PO#: VISA 05/23/97

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UNIV OF WISC-WHITEWATER PURCHASING OFFICE 800 W MAIN ST WHITEWATER WI 53190-170

53190-1705

	MATE	RIAL	S A F E T	Y DATA S	HEET	PAGE
SECTION 1		CHEMI	ICAL IDENTI	FICATION		
CATALOG # NAME:	:	C5926 CHROMIUM DODECAH	M POTASSIUM YDRATE ACS	SULFATE REAGENT		
SECTION 2	COMP	OSITION/	INFORMATION	ON INGREDIENT	rs	
CAS #: 7 MF: CRKO8	788-99-0 \$2					
SYNONYMS CHROME AL SULFURIC	UM * CHROME ACID, CHROMI	ALUM (DOI UM(3+)PO	DECAHYDRATE TASSIUM SAL) * POTASSIUM T(2:1:1), DODI	CHROMIUM ALU ECAHYDRATE *	M *
SECTION 3		HA	ZARDS IDENT	'IFICATION		-
HARMFUL HARMFUL B IRRITATIN MAY CAUSE IN CASE O WATER AND	UTIONARY STA Y INHALATION G TO EYES, R SENSITIZATI OF CONTACT WI O SEEK MEDICA 'ABLE PROTECT	AND IF ESPIRATO ON BY SK TH EYES, I. ADVICE	RY SYSTEM A IN CONTACT. RINSE IMME	ND SKIN.	PLENTY OF	
SECTION 4			RST-AID MEA			
IN CASE O AMOUNTS O IF INHALE RESPIRATI IF SWALLO	OF CONTACT, IN THE CONTACT, IN THE CONTACT, IN THE CONTACT OF THE	MMEDIATE FRESH A THING IS T MOUTH MINATED	IR. IF NOT DIFFICULT, WITH WATER CLOTHING PE		E ARTIFICIAL.	
SECTION 5		FIRE	FIGHTING N	IEASURES		-
EXTINGUISHI NONCOMBUS USE EXTIN	יחד סד בי	DIA APPRO	PRIATE TO S	SURROUNDING FI	RE CONDITIONS	s.
FOR FIRES CONFINED	SELF-CONTAINE S EFFECTS OF	THIS MATE VITHOUT P	RIAL, DO NO PROPER PROTI	OT ENTER ANY E ECTIVE EQUIPME TUS TO PROTECT S OF COMBUSTIO		
		co	NTINUED ON	NEXT PAGE		

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Fluka

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C5926 CATALOG #: CHROMIUM POTASSIUM SULFATE DODECAHYDRATE ACS REAGENT NAME: USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. SECTION 6. - - - - - - ACCIDENTAL RELEASE MEASURES- - - -WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY WEAR RESIDENCE, CHEMICAL BALL BALL PROBLEM OF THE STREET O - - - HANDLING AND STORAGE- - -SECTION 7. - - - -REFER TO SECTION 8. ADDITIONAL INFORMATION CHROMIUM POTASSIUM SULFATE DODECAHYDRATE LOSES 10 MOLES H20 AT 100 C. SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - -CHEMICAL SAFETY GOGGLES.
RUBBER GLOVES.
RUBBER APRON.
SAFETY SHOWER AND EYE BATH.
USE ONLY IN A CHEMICAL FUME HOOD.
NIOSH/MSHA-APPROVED RESPIRATOR IN NONVENTILATED AREAS AND/OR FOR EXPOSURE ABOVE THE ACGIH TLV.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
DO NOT BREATHE DUST.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
IRRITANT.
HARMFUL SOLID.
KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION.
EFFLORESCENT. EFFLORESCENT. STORE IN A COOL DRY PLACE. SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - -APPEARANCE AND ODOR SOLID. PHYSICAL PROPERTIES MELTING POINT: SPECIFIC GRAVITY: 1.830 - - - - STABILITY AND REACTIVITY - -SECTION 10. - - - -INCOMPATIBILITIES HEAT HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS CONTINUED ON NEXT PAGE

MATERIAL SAFETY



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MATERIAL SAFETY DATA SHEET PAGE C5926 CHROMIUM POTASSIUM SULFATE CATALOG #: NAME: DODECAHYDRATE ACS REAGENT TOXIC FUMES OF: SULFUR OXIDES - - - TOXICOLOGICAL INFORMATION - -SECTION 11. - -ACUTE EFFECTS
HARMFUL IF INHALED OR SWALLOWED.
CAUSES EYE AND SKIN IRRITATION.
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.
MAY CAUSE ALLERGIC SKIN REACTION. RTECS #: GB6850000 CHROMIUM(III) POTASSIUM SULFATE (1:1:2), DODECAHYDRATE TOXICITY DATA IVN-RAT LD50:112 MG/KG EQSSDX 1,1,75 TARGET ORGAN DATA
TUMORIGENIC (EQUIVOCAL TUMORIGENIC AGENT BY RTECS CRITERIA)
TUMORIGENIC (TUMORS AT SITE OF APPLICATION)
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION. SECTION 12. - - - - - - ECOLOGICAL INFORMATION - -DATA NOT YET AVAILABLE. - - - - - DISPOSAL CONSIDERATIONS - - - - -SECTION 13. - - -THE MATERIAL SHOULD BE DISSOLVED IN 1) WATER; 2) ACID SOLUTION OR 3) OXIDIZED TO A WATER-SOLUBLE STATE. PRECIPITATE THE MATERIAL AS THE SULFIDE, ADJUSTING THE PH OF THE SOLUTION TO 7 TO COMPLETE PRECIPITATION. FILTER THE INSOLUBLES AND DISPOSE OF THEM IN A HAZARDOUS-WASTE SITE. DESTROY ANY EXCESS SULFIDE WITH SODIUM HYPOCHLORITE. NEUTRALIZE THE SOLUTION BEFORE FLUSHING DOWN THE DRAIN. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. TRANSPORT INFORMATION - - -SECTION 14. - -CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION. - - - REGULATORY INFORMATION -SECTION 15. - - - -CAUTION: SUBSTANCE NOT YET FULLY TESTED. HARMFUL R 20/22 HARMFUL BY INHALATION AND IF SWALLOWED. R 36/37/38 EUROPEAN INFORMATION

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SHEET DATA SAFETY MATERIAL

CATALOG #: NAME:

C5926 CHROMIUM POTASSIUM SULFATE DODECAHYDRATE ACS REAGENT

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

R 43 MAY CAUSE SENSITIZATION BY SKIN CONTACT.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

WEĂR SUITABLE PROTECTIVE CLOTHING.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

OEL=MAK
MSHA STANDARD-AIR:TWA 1 MG(CR)/M3
DTLVS* 3,35,71
OSHA PEL (GEN INDU):8H TWA 0.5 MG(CR)/M3
CFRGBR 29,1910.1000,94
OSHA PEL (CONSTRUC):8H TWA 0.5 MG(CR)/M3
CFRGBR 29,1926.55,94
OSHA PEL (\$HIPYARD):8H TWA 0.5 MG(CR)/M3
CFRGBR 29,1915.1000,93
OSHA PEL (\$HIPYARD):8H TWA 0.5 MG(CR)/M3
CFRGBR 41,50-204.50,94
NOHS 1974: HZD 82893; NIS 3; TNF 26: NOS 6; TNE 391
NOHS 1974: HZD 82893; NIS 7; TNF 518; NOS 6; TNE 9625; TFE 119
NOES 1983: HZD 82893; NIS 7; TNF 518; NOS 6; TNE 9625; TFE 119
EPA GENETOX PROGRAM 1988, INCONCLUSIVE: HISTIDINE REVERSION-AMES TEST

U.S. INFORMATION
THIS PRODUCT IS SUBJECT TO SARA SECTION 313 REPORTING REQUIREMENTS - CHROMIUM COMPOUNDS.

- - - - OTHER INFORMATION- - -SECTION 16. - - - - -

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. SIGMA SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.

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