



MATERIAL SAFETY DATA SHEET

KEM CANADA MFG.
4 BLAIR DRIVE
BRAMPTON, ONTARIO
L6T 2H5
TEL# (905) 456-9444

EMERGENCY # CANUTEC (613) 996-6666
"USE IN CASE OF CHEMICAL EMERGENCY ONLY"

W.H.M.I.S. CLASSIFICATION:
C, D1A, D2A, D2B, E

MATERIAL REFERENCE NO: 772000

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET 720	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: CHROMATES
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: CONCENTRATED CHROMATE MIXTURE	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
SODIUM DICHROMATE	20.0-30.0	0.05MG/M3	10588-01-9	50 MG/KG
		as Cr(VI)		
ZINC CHLORIDE	7.0-13.0	NO DATA	7646-85-7	350 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID	
ODOUR AND APPEARANCE: DARK, YELLOW ORANGE LIQUID; SLIGHT ODOUR.	
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY
NOT AVAILABLE	1.198
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE
NOT AVAILABLE	(WATER=1) >1
SOLUBILITY IN WATER	
(20 ° C) SOLUBLE	
BOILING POINT (C)	FREEZING POINT (C)
NOT AVAILABLE	NOT AVAILABLE
% VOLATILE (BY WEIGHT)	
75	
pH (10% SOLUTION)	DENSITY (G/ML)
4.0-4.5	NOT APPLICABLE
COEF.OF WATER/OIL DISTR	
NOT AVAILABLE	



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: NON-FLAMMABLE			
IF YES, UNDER WHICH CONDITIONS:			
MEANS OF EXTINCTION: AS APPROPRIATE FOR SURROUNDING MATERIALS.			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-			
CONTAINED BREATHING APPARATUS.			
DECOMPOSITION OF SODIUM DICHROMATE UNDER FIRE CONDITIONS LIBERATES			
OXYGEN.			
FLASH POINT (C) AND METHOD: NONE (TCC)			
HAZARDOUS COMBUSTION PRODUCTS:			
THERMAL DECOMPOSITION OF SODIUM DICHROMATE LIBERATES OXYGEN. SMALL			
AMOUNTS OF HYDROGEN CHLORIDE AND ZINC OXIDE MAY BE FORMED.			
UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP (C)			
NOT APPLICABLE NOT APPLICABLE NOT AVAILABLE			
EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPLOSIVE POWER			
TO CHEMICAL IMPACT			
NOT AVAILABLE NOT APPLICABLE NOT AVAILABLE			
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE			
IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG ACIDS, OXIDIZABLE MATERIALS, ORGANIC			
MATERIALS, CYANIDES, SULFIDE SALTS.			
REACTIVITY AND UNDER WHAT CONDITIONS: MAY REACT WITH CYANIDES TO			
RELEASE TOXIC HYDROGEN CYANIDE. MAY REACT WITH SULPHIDE SALTS TO			
RELEASE HYDROGEN SULPHIDE.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY			
LIBERATE OXYGEN, HYDROGEN CHLORIDE, ZINC OXIDE.			

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:			
SKIN CONTACT: YES SKIN ABSORPTION: YES EYE CONTACT: YES			
INHALATION: YES INGESTION: YES			



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
EYES-CONTACT CAN CAUSE SEVERE IRRITATION, POSSIBLE BURNS, CORNEAL DAMAGE.
SKIN-CONTACT CAN CAUSE MILD IRRITATION. EXPOSURE TO SKIN WOUNDS MAY LEAD TO MARGINATED 'CHROME SORES'. MAY BE ABSORBED THROUGH UNBROKEN SKIN WITH EXCESSIVE QUANTITIES POTENTIALLY FATAL. MAY CAUSE RASH OR ULCERS.
INGESTION-MAY CAUSE TISSUE DAMAGE, STOMACH AND KIDNEY COMPLICATIONS. POISONOUS IF INGESTED.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
EYES-REPEATED OR PROLONGED CONTACT MAY PRODUCE CHRONIC IRRITATION
SKIN-REPEATED OR PROLONGED CONTACT MAY CAUSE ALLERGIC SKIN REACTION, DERMITITIS.
INHALATION-REPEATED OR PROLONGED BREATHING OF LIQUID OR SPRAY MAY PRODUCE RESPIRATORY IRRITATION LEADING TO FREQUENT ATTACKS OF BRONCHIAL INFECTION.
INGESTION-OF EXCESSIVE QUANTITIES CAN BE FATAL.

LD 50 OF MATL.	LC 50 OF MATL.	EXPOSURE LIMIT(S)	IRRITANCY OF MATL
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	TOXIC

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NOT AVAILABLE	NOT AVAILABLE

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY
CHROMIUM VI CAUSES CARCINOGENIC EFFECTS IN ANIMALS AND HUMANS AND TERATOGENIC EFFECTS IN ANIMALS.

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: IMPERVIOUS (i.e. PVC, NITRILE)
RESPIRATORY: NONE NORMALLY REQUIRED. NIOSH APPROVED RESPIRATOR IF OCCUPATIONAL EXPOSURES ARE EXCEEDED.
EYE: CHEMICAL GOGGLES
FOOTWEAR: IMPERVIOUS
CLOTHING: IMPERVIOUS
OTHER: EYE WASH AND SAFETY SHOWER
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL VENTILATION TO MAINTAIN EXPOSURES WITHIN ACCEPTABLE LIMITS.

LEAK AND SPILL PROCEDURE: WEAR RECOMMENDED PROTECTIVE EQUIPMENT.
PROVIDE ADEQUATE VENTILATION. CONTAIN SPILL AND TRANSFER TO SUITABLE CONTAINER FOR REUSE OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO ABSORBANT AND PLACE IN CONTAINER FOR DISPOSAL.

WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:	
EYES-IMMEDIATELY FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES	
WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.	
SKIN-IMMEDIATELY FLUSH AFFECTED AREA WITH RUNNING WATER FOR AT LEAST	
15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING. GET MEDICAL	
ATTENTION. LAUNDER CLOTHING BEFORE REUSE.	
INHALATION-REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL	
RESPIRATION. IF BREATHING IS DIFFICULT, GET IMMEDIATE MEDICAL	
ATTENTION.	
INGESTION-DO NOT INDUCE VOMITING. SLOWLY GIVE ONE-TWO GLASSES OF	