



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: D2B

MATERIAL REFERENCE NO: 728100

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET 281	
CHEMICAL NAME : NOT APPLICABLE	CHEMICAL FAMILY : INORGANIC SALTS
CHEMICAL FORMULA: Na2O5S2	MOLECULAR WEIGHT: BLEND
SYNONYMS: SODIUM METABISULPHITE	
MATERIAL USE: POWDERED OXYGEN SCAVENGER	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV MG/M3	C.A.S. N.A. U.N. NUMBERS	LD 50 ORAL, RAT
SODIUM METABISULPHITE	60.0-100.0	5	7681-57-4	NO DATA

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: GRANULE/POWDER		
ODOUR AND APPEARANCE: WHITE, CRYSTAL-POWDER; SLIGHT SULPHUR ODOUR.		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 1.48 GM/CM3	VAPOUR PRESSURE (MM) NOT APPLICABLE
VAPOUR DENSITY (AIR=1) NOT APPLICABLE	EVAPORATION RATE NOT APPLICABLE	SOLUBILITY IN WATER (20°C) SOLUBLE
BOILING POINT (C) DECOMPOSES AT 150	MELTING POINT (C) 150	% VOLATILE (BY WEIGHT) NOT AVAILABLE
pH (1.0% SOLUTION) 4.3	DENSITY (KG/M3) 1.48 GM/CM3	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: WATER SPRAY, FOG OR FOAM.		
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF- CONTAINED BREATHING APPARATUS.		
FLASH POINT (C) AND METHOD: NONE		
HAZARDOUS COMBUSTION PRODUCTS: SULPHUR DIOXIDE GAS.		
UPPER EXPLOSION LIMIT NOT AVAILABLE	LOWER EXPLOSION LIMIT NOT AVAILABLE	AUTOIGNITION TEMP(C) NOT AVAILABLE
EXPLOSION DATA SENSITIVITY TO CHEMICAL IMPACT NOT AVAILABLE	RATE OF BURNING NOT AVAILABLE	EXPLOSIVE POWER 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: OXIDIZING AGENTS, ACIDS.		
REACTIVITY AND UNDER WHAT CONDITIONS: OXIDIZERS CAN CAUSE STRONG EXOTHERMIC REACTIONS. ACIDS, WATER AND ICE CAN YIELD SULPHUR DIOXIDE HAZARDOUS POLYMERIZATION WILL NOT OCCUR		
HAZARDOUS DECOMPOSITION PRODUCTS: SULPHUR DIOXIDE, SODIUM SULPHITE RESIDUE WHICH IS FLAMMABLE.		

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:		
SKIN CONTACT: NO INHALATION: YES	SKIN ABSORPTION: NO INGESTION: YES	EYE CONTACT: YES



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
 EYES-CONTACT CAN CAUSE IRRITATION, INFLAMMATION, REDNESS, WATERING.
 SKIN-CONTACT MAY CAUSE IRRITATION.
 INHALATION-DUST MAY BE IRRITATING.
 INGESTION-MAY CAUSE GASTROINTESTINAL IRRITATION.

MAY CAUSE SEVERE ALLERGIC REACTIONS IN SOME ASTHMATICS AND SULFITE SENSITIVE INDIVIDUALS.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
 AS FOR ACUTE EFFECTS.

LD 50 OF MATL. NOT AVAILABLE	LC 50 OF MATL. NOT AVAILABLE	EXPOSURE LIMIT(S) NOT AVAILABLE	IRRITANCY OF MATL. MILD IRRITANT
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SENSITIZATION OF MATERIAL NOT AVAILABLE	SYNERGISTIC MATERIALS NOT AVAILABLE
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CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
 NONE KNOWN

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER OR PLASTIC
 RESPIRATORY: AIR-PURIFYING RESPIRATOR IF NECESSARY FOR DUST
 EYE: SAFETY GLASSES
 FOOTWEAR: NO SPECIAL REQUIREMENTS
 CLOTHING: NO SPECIAL REQUIREMENTS. COVER EXPOSED SKIN.
 OTHER: EYE WASH AND SAFETY SHOWER
 ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL
 FOR HIGH DUST CONCENTRATIONS.

LEAK AND SPILL PROCEDURE: STOP SPILL. SWEEP INTO CONTAINER FOR RECLAIM OR DISPOSAL. FLUSH AREA WITH LARGE AMOUNT OF WATER.

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



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
 EYES-FLUSH WITH RUNNING WATER FOR AT LEAST 20 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.
 SKIN-REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED AREA THOROUGHLY WITH VOLUMES OF WATER. GET MEDICAL ATTENTION IF SYMPHTOMS PERSIST.
 LAUNDER CLOTHING BEFORE REUSE.
 INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.
 INGESTION-GIVE PERSON SEVERAL GLASSES OF WATER OR MILK. INDUCE VOMITING BY STICKING FINGER IN BACK OF THROAR. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. GET IMMEDIATE MEDICAL ATTENTION.

SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS

ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PACKING GROUP
NOT REGULATED			

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. HANDLE CAREFULLY TO MINIMIZE DUST. WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTENTS DRY.

SPECIAL SHIPPING INFORMATION: NONE

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	0	1

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444
 REVIEWED: JANUARY 17, 2003

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