



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: D2A

MATERIAL REFERENCE NO: 700800

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET SCAV-OX	
CHEMICAL NAME: SODIUM SULPHITE	CHEMICAL FAMILY: INORGANIC SALT
CHEMICAL FORMULA: Na ₂ SO ₃	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: OXYGEN SCAVENGER	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV MG/M3	C.A.S. NUMBERS	LD 50 ORAL, RAT
SODIUM SULPHITE	10.0-30.0	5	7757-83-7	820 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID			
ODOUR AND APPEARANCE: CLEAR LIQUID, STRAW COLOUR, SLIGHT SULFUR			
ODOUR.			
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)	
NOT ESTABLISHED	1.021	NOT AVAILABLE	
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER	
NOT APPLICABLE	(WATER-1) 1	(20øC) COMPLETE	
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)	
100	NOT AVAILABLE	<90	
pH (10% SOLUTION)	DENSITY	COEF.OF WATER/OIL DISTR	
8.6-8.7	NOT APPLICABLE	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, DRY CHEMICAL, FOAM, CARBON DIOXIDE			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-			
CONTAINED BREATHING APPARATUS. THIS PRODUCT IS NON-COMBUSTIBLE, BUT			
UNDER FIRE CONDITIONS IT MAY DECOMPOSE TO GIVE OFF SULFUR DIOXIDE.			
FLASH POINT (C) AND METHOD: NONE			
HAZARDOUS COMBUSTION PRODUCTS: SULFUR DIOXIDE, SODIUM SULPHIDE			
RESIDUES.			
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: NORMALLY STABLE			
IF NO, UNDER WHICH CONDITIONS: HIGH TEMPERATURES			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG OXIDIZERS AND ACIDS, SODIUM NITRATE,			
SODIUM NITRITE.			
REACTIVITY AND UNDER WHAT CONDITIONS:			
CONTACT WITH ACIDS PRODUCES SULFUR DIOXIDE.			
HAZARDOUS DECOMPOSITION PRODUCTS: SULFUR DIOXIDE GAS, SODIUM			
SULPHIDE RESIDUES.			

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-CAUSES IRRITATION. MAY CAUSE BURNS. |
|SKIN-CAUSES IRRITATION. |
|INHALATION-OF MIST MAY IRRITATE NOSE, THROAT AND LUNGS. |
|INGESTION-MAY CAUSE SEVERE ALLERGIC REACTION IN SOME ASTHMATICS AND |
|SENSITIVE INDIVIDUALS. INGESTION OF LARGE AMOUNTS CAN CAUSE COLIC, |
|DIARRHEA, DEPRESSION. MAY IRRITATE THE GASTROINTESTINAL TRACT AND |
|CAUSE NAUSEA, VOMITING AND PURGING. |

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: SODIUM SULPHITE MAY CAUSE |
|ALLERGENIC SENSITIZATION. |

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

|SENSITIZATION OF MATERIAL | SYNERGISTIC MATERIALS |
| NOT AVAILABLE | NOT AVAILABLE |

|CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENECITY, MUTAGENICITY: |
|NONE KNOWN |

SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: IMPERMEABLE |
|RESPIRATORY: VAPOUR MASK IF MISTING OCCURS. |
| EYE: CHEMICAL GOGGLES |
| FOOTWEAR: NO SPECIAL REQUIREMENTS |
| CLOTHING: NO SPECIAL REQUIREMENTS |
| OTHER: EYE WASH AND SAFETY SHOWER |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL |
| IS REQUIRED. |

|LEAK AND SPILL PROCEDURE: CONTAIN SPILL AND RECLAIM IF POSSIBLE. |
|PUMP INTO SUITABLE CONTAINER FOR DISPOSAL. NEUTALIZE RESIDUAL WITH |
|DILUTE ACID AND FLUSH TO SEWER WITH LARGE VOLUMES OF WATER IF |
|PERMITTED BY APPLICABLE DISPOSAL REGULATIONS. |

|WASTE DISPOSAL: DISPOSE OF 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 15 MINUTES |
WHILE HOLDING EYELIDS OPEN. GET MEDICAL ASSISTANCE. |
SKIN-REMOVE CONTAMINATED CLOTHING AND WASH AFFECTED AREA THOROUGHLY |
WITH WATER FOR 15 MINUTES.WASH CLOTHING BEFORE REUSE. GET MEDICAL |
ASSISTANCE. |
INHALATION-REMOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT |
GIVE OXYGEN. GET MEDICAL ASSISTANCE. |
INGESTION-DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. DO |
NOT GIVE FLUIDS IF VICTIM IS UNCONSCIOUS OR CONVULSING. GET |
IMMEDIATE MEDICAL ASSISTANCE. |
NOTE TO PHYSICIAN-THERE IS NO SPECIAL ANTIDOTE. TREATMENT SHOULD BE |
DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION. |

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. |
WASH THOROUGHLY AFTER HANDLING. |

STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA |
AWAY FROM OXIDIZERS AND ACIDS. KEEP CONTAINER SEALED WHEN NOT IN |
USE. KEEP FROM FREEZING. RECOMMENDED SHELF LIFE IS 6 MONTHS. |

SPECIAL SHIPPING INFORMATION: KEEP FROM FREEZING. |

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 |
REVIWED: OCTOBER 10, 2009 |

DISCLAIMER:

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