



# 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: 734200

## SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KT # 342	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: INORGANIC SALTS
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: BLEND
SYNONYMS: NONE	
MATERIAL USE: BOILER OXYGEN SCAVENGER	

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS	APPROX.	TLV	C.A.S.	LD 50
INGREDIENTS	% CONCENT.	MG/M3	NUMBERS	ORAL, RAT
SODIUM METABISULPHITE	10.0-30.0	5	7681-57-4	1131 MG/KG

## SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, AMBER LIQUID; PUNGENT SULPHUR ODOUR		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	1.26	NOT APPLICABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT APPLICABLE	NOT APPLICABLE	(20°C) SOLUBLE
BOILING POINT (C)	MELTING POINT (C)	% VOLATILE (BY WEIGHT)
DECOMPOSES AT 150	NOT AVAILABLE	70
pH (100% SOLUTION)	DENSITY (KG/M3)	COEF.OF WATER/OIL DISTR
4.0-4.5	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: AS APPROPRIATE FOR SURROUNDING MATERIALS			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-			
CONTAINED BREATHING APPARATUS.			
FLASH POINT (C) AND METHOD: NONE			
HAZARDOUS COMBUSTION PRODUCTS: SULPHUR DIOXIDE, TOXIC FUMES.			
UPPER EXPLOSION LIMIT   LOWER EXPLOSION LIMIT   AUTOIGNITION TEMP (C)			
NOT AVAILABLE   NOT AVAILABLE   NOT AVAILABLE			
EXPLOSION DATA SENSITIVITY   RATE OF BURNING   EXPLOSIVE POWER			
TO CHEMICAL IMPACT			
NOT AVAILABLE   NOT AVAILABLE   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 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 SKIN ABSORPTION: NO EYE CONTACT: YES			
INHALATION: YES INGESTION: YES			



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| EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |  
| EYES-CONTACT CAN CAUSE SEVERE IRRITATION, TEARING, REDNESS, WATERING |  
| OR A STINGING OR BURNING SENSATION. |  
| SKIN-CONTACT CAN CAUSE IRRITATION. |  
| INHALATION-VAPOURS MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT. |  
| MAY CAUSE SEVERE OR DEADLY ALLERGIC REACTIONS IN SOME ASTHMATICS |  
| AND SULFITE SENSITIVE INDIVIDUALS. POSSIBLE SIGNS AND SYMPTOMS OF |  
| ALLERGIC REACTION INCLUDE BRONCHOCONSTRICTION, SWEATING, FLUSHING, |  
| HIVES, RAPID HEART RATE, DECREASED BLOOD PRESURE AND ANAPHYLAXIS. |  
| INGESTION-MAY CAUSE IRRITATION OF MOUTH AND GASTROINTESTINAL TRACT. |  
| LARGE AMOUNTS MAY CAUSE VIOLENT COLIC AND DIARRHEA, CIRCULATORY |  
DISTURBANCES, CENTRAL NERVOUS SYSTEM DEPRESSION.

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

| LD 50 OF MATL. | LC 50 OF MATL. | EXPOSURE LIMIT(S) | IRRITANCY OF MATL |  
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | MILD IRRITANT |  
|-----

| SENSITIZATION OF MATERIAL | SYNERGISTIC MATERIALS |  
| NOT AVAILABLE | NOT AVAILABLE |  
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| CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY: |  
NONE KNOWN

## SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

| GLOVES: IMPERVIOUS |  
| RESPIRATORY: NIOSH APPROVED AIR-PURIFYING RESPIRATOR FOR VAPOURS OR |  
| MISTS. |  
| EYE: SAFETY GLASSES |  
| FOOTWEAR: IMPERVIOUS |  
| CLOTHING: ADEQUATE TO PROTECT SKIN |  
| OTHER: EYE WASH AND SAFETY SHOWER |  
| ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): ADEQUATE |  
| MECHANICAL OR LOCAL VENTILATION TO MAINTAIN TLV WITHIN ACCEPTABLE |  
LIMITS.

| LEAK AND SPILL PROCEDURE: WEAR RECOMMENDED PROTECTIVE EQUIPMENT. |  
| CONTAIN SPILL. PREVENT ENTRY INTO SEWERS AND STREAMS. TRANSFER TO |  
| SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB REMAINING |  
| MATERIAL ONTO INERT ABSORBENT AND SCOOP INTO DISPOSAL CONTAINER. |  
FLUSH AREA WITH VOLUMES 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 15 MINUTES. GET MEDICAL ATTENTION.  
SKIN-REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED AREA THOROUGHLY WITH VOLUMES OF WATER. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.  
LAUNDER CLOTHING BEFORE REUSE.  
INHALATION-REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION.  
INGESTION-INDUCE VOMITING IMMEDIATELY BY STICKING FINGER IN BACK OF THROAT. 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, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED WHEN NOT IN USE.

SPECIAL SHIPPING INFORMATION: NONE

## SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	0	2

## SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT      TELEPHONE # (905) 456-9444

REVIEWED: MAY 22, 2009

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