



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 INGREDIENTS	APPROX. % CONCENT.	TLV MG/M3	C.A.S. NUMBERS	LD 50 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) NOT AVAILABLE	SPECIFIC GRAVITY 1.26	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) NOT AVAILABLE	% VOLATILE (BY WEIGHT) 70
pH (100% SOLUTION) 4.0-4.5	DENSITY (KG/M3) 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 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 BRONCHOCONSTRICITION, SWEATING, FLUSHING,
|HIVES, RAPID HEART RATE, DECREASED BLOOD PRESSURE 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

|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

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