



MATERIAL SAFETY DATA SHEET

KEM CANADA MFG.
4 BLAIR DRIVE
BRAMPTON, ONTARIO
L6T 2H5

EMERGENCY # (905) 456-9444
CANUTEC # (613) 996-6666
W.H.M.I.S. CLASSIFICATION
C, D1B, D2B

MATERIAL REFERENCE NO: 580300

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET 803 ORGANIQUE N	
CHEMICAL NAME : NOT APPLICABLE	CHEMICAL FAMILY :ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: MIXTURE
SYNONYMS: NONE	
MATERIAL USE: CORROSION INHIBITOR	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. N.A. U.N. NUMBERS	LD 50 ORAL, RAT
SODIUM NITRITE	1.0-5.0	NOT AVAILABLE	7632-00-0	180 MG/KG
PHOSPHONO CARBOXYLIC ACID	0.0-1.5	NOT AVAILABLE	2809-21-4	1800 MG/KG
SODIUM TOLYTRIAZOLE	1.0-5.0	NOT AVAILABLE	64665-57-21	920 MG/KG (MALE)

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: AMBER LIQUID; LOW ODOUR.		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 1.015	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) APPROXIMATELY 1	EVAPORATION RATE (WATER=1) 0.9	SOLUBILITY IN WATER (20 ° C) SOLUBLE
BOILING POINT (C) 100	FREEZING POINT (C) APPROX. 0 C	% VOLATILE (BY WEIGHT) >80
pH (CONCENTRATED) 11.0	DENSITY (G/ML) 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: WATER FOG			
SPECIAL PROCEDURES: WEAR SELF CONTAINED BREATHING APPARATUS. THERMAL			
DECOMPOSITION CAN RELEASE NITROGEN OXIDES.			
FLASH POINT (C) AND METHOD: NONE (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: NITROGEN OXIDES, VARIOUS HYDROCARBONS			
UPPER EXPLOSION LIMIT	LOWER EXPLOSION LIMIT	AUTOIGNITION TEMP(C)	
NOT APPLICABLE	NOT APPLICABLE	NOT AVAILABLE	
EXPLOSION DATA SENSITIVITY			
TO CHEMICAL IMPACT			
NOT AVAILABLE	NOT APPLICABLE	NOT AVAILABLE	
SENSITIVITY TO STATIC DISCHARGE:			
NOT AVAILABLE			

SECTION V – REACTIVITY DATA

CHEMICAL STABILITY: YES			
IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: ACIDS, REDUCING AGENTS			
REACTIVITY AND UNDER WHAT CONDITIONS: PROLONGED EXPOSURE TO AIR CAN			
SLOWLY OXIDIZE SODIUM NITRITE TO SODIUM NITRATE.			
HAZARDOUS DECOMPOSITION PRODUCTS: TEMPERATURES ABOVE 320 (C) WILL			
DECOMPOSE SODIUM NITRITE GIVING OFF OXIDES OF NITROGEN.			

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 MILD TO SEVERE IRRITATION. |
|SKIN-CONTACT CAN CAUSE IRRITATION |
|INHALATION-OF MISTS MAY IRRITATE THE NOSE, THROAT AND LUNGS. |
|INGESTION-OF LARGE QUANTITIES WILL IRRITATE MOUTH, THROAT, |
|OESOPHAGUS AND STOMACH. |
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|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:REPEATED OR PROLONGED |
|INHALATION OF VERY HIGH AMOUNTS OF MIST MAY CAUSE SYSTEMIC EFFECTS. |
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|LD 50 OF MATL. |LC 50 OF MATL. |EXPOSURE LIMIT(S) |IRRITANCY OF MATL |
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE |

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

|CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY |
|SODIUM NITRITE IS USED AS A FOOD ADDITIVE AT LEVELS BELOW 100 PPM. |
|TERATOGENICITY-SODIUM NITRITE SHOWED TUMORIGENIC AND REPRODUCTIVE |
| EFFECTS IN ANIMAL STUDIES |
|MUTAGENICITY-SODIUM NITRITE SHOWED MUTAGENIC EFFECTS ON MAMMALIAN |
| CELLS. |

SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: RUBBER OR PLASTIC |
|RESPIRATORY: NONE NORMALLY REQUIRED. VAPOUR MASK IF MISTING OCCURS. |
| EYE: SAFETY GLASSES |
| FOOTWEAR: IMPERMEABLE |
| CLOTHING: IMPERMEABLE |
| OTHER: EYE WASH AND SAFETY SHOWER |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL |
| IS SUFFICIENT. |

|LEAK AND SPILL PROCEDURE: CONTAIN SPILL. TRANSFER TO SUITABLE |
|CONTAINER FOR REUSE OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO |
|INERT ABSORBANT AND SCOOP INTO DISPOSAL CONTAINER. FLUSH REMAINING |
|RESIDUE WITH VOLUMES OF WATER. DO NOT FLUSH MATERIAL INTO SEWERS OR |
|WATERWAYS. |

|WASTE DISPOSAL: |
|DISPOSE OF IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND LOCAL |
|REGULATIONS. |
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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH WITH RUNNING WATER FOR 15 MINUTES. IF IRRITATION PERSISTS
GET MEDICAL ATTENTION.
SKIN-FLUSH AFFECTED AREA WITH RUNNING WATER FOR 15 MINUTES WHILE
REMOVING CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, GET
MEDICAL ATTENTION. LAUNDER CLOTHING BEFORE REUSE.
INHALATION-REMOVE TO FRESH AIR.
INGESTION-GIVE LARGE AMOUNTS OF WATER TO INDUCE VOMITING. CONTACT A
PHYSICIAN.

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

ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	P.I.N.	PACKING GROUP
OXIDIZING SUBSTANCE, LIQUID (SODIUM NITRITE)	5.1	3139	III

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN.
WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA. DO NOT STORE ABOVE
ABOVE 50 (C). KEEP CONTAINER TIGHTLY SEALED WHEN NOT IN USE. KEEP
FROM FREEZING.

SPECIAL SHIPPING INFORMATION: HEATED

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
OCTOBER 10, 2009

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