



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: C, D1B, D2B

MATERIAL REFERENCE NO: 783300

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET 833 'ORGANIC NSC'
CHEMICAL NAME: NOT APPLICABLE

 | 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. NUMBERS	LD 50 ORAL, RAT
SODIUM NITRITE	7.0-13.0	NO DATA AVAILABLE	7632-00-0	88 MG/KG
HYDROXYPHOSPHONO ACETIC ACID	1.0-5.0	NOT AVAILABLE	23783-26-8	2750 MG/KG
SODIUM TOLYTRIAZOLE	1.0-5.0	NOT AVAILABLE	64665-57-2	1980 MG/KG
SODIUM HYDROXIDE	1.0-5.0	2	1310-73-2	LDLo ORAL RABBIT 500 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID
ODOUR AND APPEARANCE: CLEAR, AMBER LIQUID; LOW ODOUR.

ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	1.083	NOT AVAILABLE

VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
APPROXIMATELY 1	(WATER=1) 0.9	(20 ° C) SOLUBLE

BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)
NOT AVAILABLE	APPROX. 0 C	>83

pH (CONCENTRATED)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
12.0-13.0	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. NITRITE CAN SUPPORT COMBUSTION. |

FLASH POINT (C) AND METHOD: NONE (TCC)

| HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF NITROGEN AND CARBON, |
| IRRITATING AND TOXIC FUMES. |

| 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		
MAY EXPLODE ON SEVERE IMPACT	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, THIOSULPHATES, |
THIOCYANATES, AMMONIUM COMPOUNDS.

| 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-HIGH CONCENTRATIONS MAY CAUSE IRRITATION OF RESPIRATORY |
 | TRACT AND LUNGS. |
 | INGESTION-MAY IRRITATE MOUTH, THROAT AND STOMACH. INGESTION OF |
 | LARGER AMOUNTS MAY RESULT IN ACUTE TOXIC EFFECTS WITH NAUSEA, |
 | CONVERSION OF HAEMOGLOBIN TO METHEMOGLOBIN, MARKED REDUCTION IN |
 | BLOOD PRESSURE. |
 | |

| EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: REPEATED OR PROLONGED |
 | INHALATION OF VERY HIGH AMOUNTS OF MIST MAY CAUSE SYSTEMIC EFFECTS. |
 | |

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

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NOT AVAILABLE	NOT AVAILABLE

| CARCINOGENICITY-NOT A CARCINOGEN. NITRITES MAY REACT WITH AMINES TO |
 | FORM NITROSAMINES. SOME NITROSOMINES HAVE BEEN SHOWN TO CAUSE CANCER |
 | IN LABORATORY ANIMALS. |
 | REPRODUCTIVE EFFECTS-NO DATA. |
 | MUTAGENICITY- NO DATA. |
 | |

SECTION VII - PREVENTIVE MEASURES

| PERSONAL PROTECTIVE EQUIPMENT: |
 | |
 | GLOVES: RUBBER OR PLASTIC |
 | RESPIRATORY: MIST RESPIRATOR IF MISTY CONDITIONS PREVAIL OR IF TLV |
 | REVAIF TLV |MOFPER - P |

RL--FE



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SECTION VIII - FIRST AID MEASURES

| PROCEDURES: |

| PROCEDURES: EYES-IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR 15 |

| MINUTES. GET MEDICAL ATTENTION. |

| SKIN-FLUSH AFFECTED AREA WITH RUNNING WATER FOR 15 AT LEAST MINUTES |

| WHILE REMOVING CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, GET |

| MEDICAL ATTENTION. LAUNDRER CLOTHING BEFORE REUSE. |

| INHALATION-MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE |

| OXYGEN. GET MEDICAL ATTENTION. |

| INGESTION-IF SWALLOWED, DO NOT INDUCE VOMITING. RINSE MOUTH WITH |

| WATER. DO NOT GIVE LIQUIDS IF VICTIM IS UNCONSCIOUS OR CONVULSING. |

| 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.	PG
OXIDIZING LIQUID, TOXIC, N.O.S. (SODIUM NITRITE)	5.1(6.1)	3099	III

| HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND |

| CLOTHING. 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 |

| REVIEWED: OCTOBER 10, 2009 |

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