



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: 783700

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET CSL 837	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: MIXTURE
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: CLOSED SYSTEM CLEANER	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
SODIUM NITRITE	10.0-30.0	NO DATA	7632-00-0	180 MG/KG
ETHOXYLATED ALCOHOL	1.0-5.0	NO DATA	68002-97-1	1410 MG/KG
DIPROPYLENE GLYCOL	1.0-5.0	NO DATA	34590-94-8	5400 µL/KG
METHYL ETHER				
ETHYLENE DIAMINE	1.0-5.0	NOT	64-02-8	300 MG/KG
TETRA ACETIC ACID		AVAILABLE		

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: SLIGHTLY OPAQUE, ORANGE LIQUID; ORANGE ODOUR.		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 1.05	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) NOT ESTABLISHED	EVAPORATION RATE (WATER =1) > 1.0	SOLUBILITY IN WATER (20°C) COMPLETE
BOILING POINT (C) NOT ESTABLISHED	FREEZING POINT (C) NOT ESTABLISHED	% VOLATILE (BY WEIGHT) <80
pH (10% SOLUTION) 8.0-8.5	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: CHEMICAL FOAM, CARBON DIOXIDE, WATER FOG			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF-			
CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH			
WATER.			
FLASH POINT (C) AND METHOD: <100 (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE,			
OXIDES OF NITROGEN.			
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 APPLICABLE	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: STRONG OXIDIZING AGENTS, STRONG INORGANIC ACIDS,			
HALOGENS, MATERIALS REACTIVE WITH HYDROXYL COMPOUNDS.			
REACTIVITY AND UNDER WHAT CONDITIONS: YES			
MATERIAL CAN DECOMPOSE AT TEMPERATURES ABOVE 200 (C)			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY EVOLVE			
OXIDES OF CARBON, NITROGEN, PHOSPHOROUS, SODIUM.			

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 MAY CAUSE SEVERE IRRITATION, REDNESS, TEARING, POSSIBLE |
| CORNEAL INFLAMMATION. |
|SKIN-CONTACT MAY CAUSE IRRITATION, REDNESS, POSSIBLE SCALING. |
|INHALATION-EXCESSIVE INHALATION OF MISTS OR VAPOURS CAN CAUSE |
| IRRITATION OF THE RESPIRATORY TRACT, NASAL DISCOMFORT AND DISCHARGE |
| CHEST PAIN, COUGHING. |
|INGESTION-MAY CAUSE IRRITATION OF THE MOUTH AND THROAT, ABDOMINAL |
| DISCOMFORT, NAUSEA AND VOMITING. ASPIRATION OF MATERIAL INTO LUNGS |
| MAY CAUSE LUNG INJURY. |

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
|PROLONGED OR REPEATED CONTACT WITH SKIN MAY CAUSE DERMATITIS. |
| |

|LD 50 OF MATL. |LC 50 OF MATL. |EXPOSURE LIMIT(S) |IRRITANCY OF MATL |
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | SKIN AND EYE |

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

|CARCINOGENICITY-NONE KNOWN. |
|REPRODUCTIVE EFFECTS-SODIUM NITRITE SHOWED EFFECTS ON FETUS OF |
|ANIMALS AT MODERATE TO HIGH DOSAGES. |
|MUTAGENICITY- SODIUM NITRITE SHOWED MUTAGENIC EFFECTS ON HUMANS AND |
|ANIMALS. (SOMATIC CELLS) |
| |
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SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |
| |
| GLOVES: RUBBER OR VINYL |
|RESPIRATORY: WORN BY PERSONS SENSITIVE TO FUMES |
| EYE: FACE SHIELD OR SAFETY GOGGLES |
| CLOTHING: IMPERMEABLE |
| OTHER: EYE WASH AND SAFETY SHOWER |
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): GENERAL |
| VENTILATION SHOULD BE ADEQUATE. |

|LEAK AND SPILL PROCEDURE: STOP LEAKS AND CONTAIN SPILL. TRANSFER TO |
|SUITABLE CONTAINER FOR REUSE OR DISPOSAL. ABSORB REMAINING MATERIAL |
|ONTO INERT ABSORBANT AND SCOOP INTO DISPOSAL CONTAINER. FLUSH AREA |
|WITH VOLUMES OF WATER. |

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

| PROCEDURES: EYES-IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR 15 |
 | MINUTES. IF PAIN OR IRRITATION PERSIST, SEEK MEDICAL ASSISTANCE. |
 | SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA WITH |
 | WATER FOR 15 MINUTES. IF PAIN OR IRRITATION PERSIST, SEEK MEDICAL |
 | ASSISTANCE. LAUNDRER CLOTHING BEFORE REUSE. |
 | INHALATION-MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE |
 | OXYGEN. GET MEDICAL ATTENTION IF SYMPTOM OCCUR OR PERSIST. |
 | INGESTION- IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE 2 GLASSES OF |
 | WATER. NEVER GIVE LIQUIDS TO A PERSON WHO IS CONVULSING OR IS |
 | UNCONSCIOUS. GET 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 AND SKIN. |
 | WASH THOROUGHLY AFTER HANDLING. |

| STORAGE REQUIREMENTS: STORE IN A COOL, DRY WELL VENTILATED AREA AWAY |
 | FROM INCOMPATIBLE MATERIALS. DO NOT STORE IN DIRECT SUNLIGHT. |
 | KEEP CONTAINER CLOSED WHEN NOT IN USE. |

| SPECIAL SHIPPING INFORMATION: OXIDIZER |

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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