



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"

NOT REGULATED UNDER W.H.M.I.S.

MATERIAL REFERENCE NO: 703400

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET 034	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: MICROBICIDE	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
POTASSIUM DIMETHYL- DITHIOCARBAMATE	10.0	NOT AVAILABLE	128-03-0	NOT AVAILABLE

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLEAR, GREEN LIQUID; PUNGENT, AMMONIACAL ODOUR		
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)
NOT AVAILABLE	1.05	NOT AVAILABLE
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER
NOT AVAILABLE	NOT AVAILABLE	(20 ø C) COMPLETE
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
pH (100% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
> 12	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: WATER FOG, CARBON DIOXIDE, FOAM, DRY CHEMICAL. |
| USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS. |

| SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF- |
| CONTAINED BREATHING APPARATUS. |

| FLASH POINT (C) AND METHOD: > 100 (C) |

| HAZARDOUS COMBUSTION PRODUCTS: CONTACT WITH FIRE MAY GENERATE OXIDES |
| OF SULPHUR, NITROGEN AND CARBON. THERMAL DEGRADATION MAY GENERATE |
| VAPOURS OF HYDROGEN SULFIDE. |

| 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: EMPTY CONTA. 5734(-) - 3.5734(-) - 3.5734(-) - 3.5734(-) - 3.5



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
EYES-CORROSIVE. EFFECTS RANGE FROM MODERATE TO SEVERE.
SKIN-CONTACT MAY CAUSE MILD TO SEVERE IRRITATION.
INHALATION-MAY CAUSE IRRITATION OR CORROSION OF MUCOUS MEMBRANES AND
THE LUNGS. EXPOSED INDIVIDUALS SHOULD BE MONITORED FOR RESPIRATORY
DISTRESS, BRONCHITIS OR PNEUMONIA.
INGESTION-HARMFUL IF SWALLOWED.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
NOT FULLY EVALUATED.

LD 50 OF MATERIAL	EXPOSURE LIMIT(S)	IRRITANCY OF MATL
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

SENSITIZATION OF MATERIAL: WEAK SENSITIZER IN ANIMAL STUDIES. NO
INSTANCES OF HUMAN ALLERGIC REACTION ARE KNOWN.
SYNERGISTIC MATERIALS: NOT AVAILABLE

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
NOT LISTED IN ANY OF OSHA STANDARDS, SECTION 1910.1200 SOURCES AS
CARCINOGENIC. NO OTHER HEALTH EFFECTS KNOWN.

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: IMPERMEABLE RUBBER
RESPIRATORY: NIOSH APPROVED RESPIRATOR IN POORLY VENTILATED AREAS OR
IF MISTING OCCURS.
EYE: CHEMICAL PROOF GOGGLES REQUIRED. FACE SHIELD
INGESTION-HAR

DISTRESS, BRONCHITIS OR



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH WITH CLEAN, COOL WATER FOR 15 MINUTES. SEE A PHYSICIAN.
SKIN-WASH THOROUGHLY WITH SOAP AND WATER. SEE A PHYSICIAN IF
IRRITATION OCCURS. REMOVE AND WASH ALL CONTAMINATED CLOTHING.
INHALATION-REMOVE TO FRESH AIR. GET IMMEDIATE MEDICAL ATTENTION IF
PERSON IS CYANOTIC OR EXPERIENCES NAUSEA, HEADACHE, DIZZINESS OR
DIFFICULTY IN BREATHING.
INGESTION-DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER OR MILK.
GIVE ONE TO TWO GLASSES OF MILK OR WATER TO DILUTE STOMACH CONTENTS.
DO NOT GIVE LIQUIDS 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.	PG
CORROSIVE LIQUIDS, N.O.S.	8	1760	III
(POTASSIUM DIMETHYLDITHIOCARBAMATE)			

HANDLING PROCEDURES AND EQUIPMENT: DO NOT HANDLE UNTIL THE SAFETY
PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. AVOID CONTACT WITH EYES,
SKIN AND CLOTHING. AVOID BREATHING DUST OR VAPOUR. WASH THOROUGHLY
AFTER HANDLING.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA AWAY FROM
INCOMPATIBLE MATERIALS AND IGNITION SOURCES. KEEP FROM FREEZING.
KEEP CONTAINERS CLOSED WHEN NOT IN USE.

SPECIAL SHIPPING INFORMATION: HEATED

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
1	1	3

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444
REVIEWED: OCTOBER 10, 2009

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