



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: 782500

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET 825	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: MICROBIOCIDES
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: BROAD-SPECTRUM NON FOAMING MICROBIOCIDES	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONC.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
1,2-ETHANEDIAMINE, N,N,N,N,TETRAMETHYL, POLYMER WITH 1,1'- OXYBIS[2-CHLOROETHANE]	10-30	NO DATA	31075-24-8	1951 MG/KG DERMAL-RBT. >2000 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID	
ODOUR AND APPEARANCE: CLEAR, PALE BROWN LIQUID; MILD ODOUR.	
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 1.04
VAPOUR PRESSURE (MM) NOT AVAILABLE	
VAPOUR DENSITY (AIR=1) NOT AVAILABLE	EVAPORATION RATE NOT AVAILABLE
SOLUBILITY IN WATER (20°C) SOLUBLE	
BOILING POINT (C) >100°C	FREEZING POINT (C) <0°C
% VOLATILE (BY WEIGHT) NOT AVAILABLE	
pH (10% SOLUTION) 6 - 8	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, CARBON DIOXIDE, FOAM, DRY CHEMICAL.			
USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-			
CONTAINED BREATHING APPARATUS.			
FLASH POINT (C) AND METHOD: > 100 (°C) TCC			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON			
UPPER EXPLOSION LIMIT	LOWER EXPLOSION LIMIT	AUTOIGNITION TEMP (C)	
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	
EXPLOSION DATA SENSITIVITY			
TO CHEMICAL IMPACT			
NONE KNOWN	NOT APPLICABLE	NOT AVAILABLE	
SENSITIVITY TO STATIC DISCHARGE: NONE KNOWN			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS OF USE AND			
STORAGE.			
IF NO, UNDER WHICH CONDITIONS:			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: ANIONIC POLYMERS			
REACTIVITY AND UNDER WHAT CONDITIONS: NONE KNOWN			
HAZARDOUS DECOMPOSITION PRODUCTS: UNKNOWN BUT CARBON MONOXIDE CAN BE			
RELEASED ON BURNING.			

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-MILD IRRITANT. EFFECTS MAY VARY DEPENDING ON LENGTH OF EXPOSURE
SKIN-NON IRRITATING.
INHALATION-MAY CAUSE IRRITATION OF MUCOUS MEMBRANES AND LUNGS.
INGESTION-NOT EXPECTED TO BE A PRIMARY ROUTE OF EXPOSURE. NO DATA IS
AVAILABLE ON HUMAN EXPOSURE.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
NOT EVALUATED.

LD 50 OF CONCENTRATE (RAT)	EXPOSURE LIMIT(S)	IRRITANCY OF MATL
ORAL-1951 MG/KG	NOT AVAILABLE	MILD, TRANSIENT

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NONE	NOT AVAILABLE

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
NOT LISTED IN ANY OF OSHA STANDARDS, SECTION 1910.1200 SOURCES AS
CARCINOGENIC.
OTHER HEALTH EFFECTS: NONE KNOWN.

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER GLOVES RECOMMENDED
RESPIRATORY: NIOSH APPROVED RESPIRATOR IF MISTING OCCURS.
EYE: SAFETY GLASSES REQUIRED. SAFETY GOGGLES RECOMMENDED
FOOTWEAR: CHEMICAL RESISTANT
CLOTHING: WORK COVERALLS OR LONG SLEEVED SHIRT AND PANTS REQUIRED
OTHER: EYE WASH AND SAFETY SHOWER
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): GENERAL
MECHANICAL VENTILATION IS SUFFICIENT. USE LOCAL EXHAUST IN
CONFINED AREAS.

LEAK AND SPILL PROCEDURE: WEAR RECOMMENDED PERSONAL PROTECTIVE
EQUIPMENT. CONTAIN THE SPILL. PUMP INTO SUITABLE CONTAINER FOR
REUSE OR DISPOSAL. SOAK UP RESIDUE WITH SOLIDS ABSORBANT AND SCOOP
OR SHOVEL INTO DISPOSAL CONTAINER. PREVENT ENTRY INTO WATER SYSTEMS.

WASTE DISPOSAL: DISPOSE OF IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL
AND FEDERAL REGULATIONS.
CONTAINER DISPOSAL-OFFER FOR RECYCLING OR TRIPLE RINSE AND DISPOSE
OF IN APPROVED LANDFILL.



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH WITH CLEAN, COOL WATER FOR 5 MINUTES. SEE A PHYSICIAN IF IRRITATION OCCURS.
SKIN-WASH THOROUGHLY WITH SOAP AND WATER. SEE A PHYSICIAN IF IRRITATION OCCURS. REMOVE AND WASH CONTAMINATED CLOTHING.
INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED, ADMINISTER ARTIFICIAL RESPIRATION AND GET IMMEDIATE MEDICAL ATTENTION.
INGESTION-IF SWALLOWED, DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. GIVE 240 TO 300 ML (8-10 OZ.) OF 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.	PACKING GROUP
NOT REGULATED			

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 IGNITION SOURCES AND INCOMPATIBLE MATERIALS. KEEP FROM FREEZING. KEEP CONTAINER CLOSED WHEN NOT IN USE.

SPECIAL SHIPPING INFORMATION: NONE

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
1	1	1

SECTION XI - PREPARATION DATE OF MSDS

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

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