

KEM CANADA MFG.
4 BLAIR DRIVE
BRAMPTON, ONTARIO
L6T 2H5
TEL# (905) 456-9444

"USE IN CASE OF CHEMICAL EMERGENCY ONLY"

W.H.M.I.S. CLASSIFICATION: B3, D1B, E

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MATERIAL REFERENCE NO: 57420				
SECTION I - MATERIAL IDENTIFICATION AND USE				
MATERIAL NAME/I.D.: RT-742				
CHEMICAL NAME: NOT APPLICABLE CHEMICAL FAMILY: ALKALINE BLEND				
CHEMICAL FORMULA: MIXTURE MOLECULAR WEIGHT: NOT APPLICABLE				
SYNONYMS: NONE				
MATERIAL USE: RETURN LINE TREATMENT				
SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL HAZARDOUS APPROX. TLV C.A.S. LD 50				
HAZARDOUS APPROX INGREDIENTS % CONCE	TLV C.A.S. LD 50 T. PPM NUMBERS ORAL, RAT			
SECTION III - PHYSICAL DATA FOR MATERIAL PHYSICAL STATE: LIQUID ODOUR AND APPEARANCE: CLEAR, COLOURLESS LIQUID; AMINE ODOUR.				
	PECIFIC GRAVITY VAPOUR PRESSURE (MM 1.001 NOT AVAILABLE			
	CORATION RATE SOLUBILITY IN WATER CER = 1) 1.0 (20øC) COMPLETE			
BOILING POINT (C) FR	EZING POINT (C) % VOLATILE (BY WEIGHT			
pH (10% SOLUTION) Di	NSITY (G/ML) COEF.OF WATER/OIL DIST			



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SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL			
FLAMMABILITY: FLAMMABLE IF YES, UNDER WHICH CONDITIONS: VAPOURS MAY BE FLAMMABLE.			
MEANS OF EXTINCTION: ALCOHOL FOAM, CO2, WATER SPRAY, DRY CHEMICAL.			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF- CONTAINED BREATHING APPARATUS. VAPOURS ARE HEAVIER THAN AIR AND MAY TRAVEL TO IGNITION SOURCE AND FLASH BACK.			
FLASH POINT (C) AND METHOD: MINIMUM 35 TCC			
HAZARDOUS COMBUSTION PRODUCTS: MAY EVOLVE NITROGEN OXIDES, CARBON DIOXIDE, CARBON MONOXIDE, AMMONIA, ALDEHYDES, KETONES, IRRITATING VAPOURS.			
UPPER EXPLOSION LIMIT LOWER EXPLOSION LIMIT AUTOIGNITION TEMP(C) 1.8 (MORPHOLINE) NOT AVAILABLE			
EXPLOSION DATA SENSITIVITY RATE OF BURNING EXPLOSIVE POWER TO CHEMICAL IMPACT			
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE			
SECTION V - REACTIVITY DATA			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES IF SO, WHICH ONES: STRONG ACIDS, OXIDIZING AGENTS, NITRITES AND OTHER NITROSATING AGENTS.			
REACTIVITY AND UNDER WHAT CONDITIONS: NITROSAMINE MAY BE FORMED WHEN MIXED WITH NITRITES OR OTHER NITROSATING AMINES. NITROSAMINES MAY CAUSE CANCER. HAZARDOUS POLYMERIZATION WILL NOT OCCUR. HAZARDOUS DECOMPOSITION PRODUCTS: NITROUS OXIDES, CARBON MONOXIDE,			
CARBON DIOXIDE, AMMONIA, ALDEHYDES, KETONES, IRRITATING VAPOURS.			
SECTION VI - HEALTH HAZARD DATA			
ROUTE OF ENTRY:			
SKIN CONTACT: YES			



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL: EYES-MAY CAUSE SEVERE IRRITATION, INTENSE WATERING, REDNESS. MAY CAUSE CHEMICAL BURNS, EYE DAMAGE. SKIN-MAY CAUSE IRRITATION, INFLAMMATION, REDNESS, POSSIBLE BURNS. PROLONGED ORREPEATED CONTACT MAY RESULT IN ABSORPTION OF POTENTIALLY HARMFUL AMOUNTS. INHALATION-MAY CAUSE IRRITATION OF NOSE, EYES AND THROAT, COUGHING, DIFFICULTY IN BREATHING. EXCESSIVE INHALATION MAY CAUSE BRONCHITIS, PULMONARY EDEMA AND CHEMICAL PNEUMONITIS. INGESTION-MAY CAUSE IRRITATION AND BURNING SENSATION OF LIPS, MOUTH AND THROAT, PAIN IN SWALLOWING, GASTRO-INTESTINAL IRRITATION, ABDOMINAL PAIN, NAUSEA AND VOMITING.
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: PROLONGED EXPOSURE MAY CAUSE KIDNEY AND/OR LIVER DAMAGE.
LD 50 OF MATL. LC 50 OF MATL. EXPOSURE LIMIT(S) IRRITANCY OF MATL NOT AVAILABLE TOXIC
SENSITIZATION OF MATERIAL SYNERGISTIC MATERIALS NOT AVAILABLE NOT AVAILABLE
CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY NONE KNOWN. MORPHOLINE MAY REACT WITH NITRITES TO FORM N-NITROSAMINES (KNOWN CARCINOGENS)
PERSONAL PROTECTIVE EQUIPMENT:
GLOVES: BUTYL RUBBER, NITILE RESPIRATORY: NIOSH APPROVED FOR ORGANIC VAPOURS. EYE: FACE SHIELD OR SAFETY GOGGLES CLOTHING: LONG SLEEVED SHIRTS, TROUSERS, BUTYL RUBBER BOOTS AND APRON. OTHER: EYE WASH AND SAFETY SHOWER ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): MECHANICAL RECOMMENDED TO MAINTAIN CONCENTRATION BELOW TLV.
LEAK AND SPILL PROCEDURE: WEAR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT. REMOVE IGNITION SOURCES. STOP LEAKS AND CONTAIN SPILL. RECLAIM IF POSSIBLE. ABSORB ONTO NON-COMBUSTIBLE ABSORBENT AND PLACE IN APPROVED CONTAINER FOR DISPOSAL. DO NOT ALLOW LIQUID TO FLOW INTO WATERWAYS. PRODUCT IS EXPECTED TO BE TOXIC TO AQUATIC LIFE.
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 RULLEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GILLEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GILLEAST 15 MINUTES. GET MEDICAL ATTICLOTHING BEFORE REUSE. INHALATION-MOVE VICTIM TO FRESH AIR. IF BREATH: OXYGEN. GET MEDICAL ATTENTION. INGESTION-DO NOT INDUCE VOMITING. SLOWLY GIVE IN MILK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCE CONVULSING PERSON. GET IMMEDIATE MEDICAL	ET IMMEDIATE MEDICAL FECTED AREA WITH ENTION. LAUNDER ING IS DIFFICULT, GIVE
SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL	SAFETY DATA SHEETS
ADDITIONAL INFORMATION: NONE	 I
SECTION IX - TDG SHIPPING INFORMATION	
•	CLASS UN NO. PG 8(3) 2920 II
HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTAG CLOTHING. USE IN ADEQUATELY VENTILATED AREAS. 1 HANDLING.	-
STORAGE REQUIREMENTS: STORE IN A COOL, DRY WELD ORIGINAL CONTAINER. STORE AWAY FROM INCOMPATIBE CONTAINER CLOSED WHEN NOT IN USE.	·
SPECIAL SHIPPING INFORMATION: NONE	I
SECTION X - HMIS HAZARD RATING INFORMATION	
FLAMMABILITY REACTIVITY 3 0	HEALTH 2
SECTION XI - PREPARATION DATE OF MSDS	
PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE REVIEWED: OCTOBER 10, 2009	# (905) 456-9444
DISCLAIMER:	OM COUDCES DELIEVED TO

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