



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: D2B, E

MATERIAL REFERENCE NO: 282600

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: SUPER TEK	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: INDUSTRIAL CONCENTRATE	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS	APPROX.	TLV	C.A.S.	LD 50
INGREDIENTS	% CONCENT.	PPM	NUMBERS	ORAL, RAT
TETRAPOTASSIUM	10.0-30.0	5 MG/M3	7320-34-5	>1000 MG/KG
PYROPHOSPHATE				
POTASSIUM HYDROXIDE	5.0-10.0	2 MG/M3	1310-58-3	365 MG/KG
SODIUM SALT OF	1.0-5.0	NOT	64-02-8	NO DATA
ETHYLENEDIAMINE-		AVAILABLE		
TETRAACETIC ACID				

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID			
ODOUR AND APPEARANCE: FAINT GREEN-STRAW COLOURED LIQUID; CHERRY			
ODOUR			
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)	
NOT AVAILABLE	1.430	NOT AVAILABLE	
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER	
NOT AVAILABLE	(WATER = 1) > 1	(20øC) COMPLETE	
BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)	
NOT AVAILABLE	NOT AVAILABLE	53	
pH (10% SOLUTION)	DENSITY (G/ML)	COEF.OF WATER/OIL DISTR	
12.5-13.5	NOT APPLICABLE	NOT AVAILABLE	



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 282600

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 EQUIPMENT INCLUDING SELF-			
CONTAINED BREATHING APPARATUS.			
FLASH POINT (C) AND METHOD: NONE (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, POTASSIUM, NITROGEN			
PHOSPHOROUS, AMMONIA.			
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			
NOT AVAILABLE NOT APPLICABLE NOT APPLICABLE			
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 ACIDS, STRONG OXIDIZING AGENTS, ALUMINUM			
REACTIVITY AND UNDER WHAT CONDITIONS:			
MAY REACT WITH ALUMINUM TO FORM FLAMMABLE HYDROGEN GAS.			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN PRODUCE			
OXIDES OF CARBON, POTASSIUM, NITROGEN, PHOSPHOROUS, AMMONIA.			

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY:			
SKIN CONTACT: YES SKIN ABSORPTION: YES EYE CONTACT: YES			
INHALATION: YES INGESTION: YES			



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 282600

| EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |
| EYES-CORROSIVE. CAN CAUSE SEVERE IRRITATION, ULCERATION OF EYES, |
| PERMANENT VISUAL DAMAGE MAY OCCUR. |
| SKIN-CONTACT-CORROSIVE. MAY CAUSE SEVERE IRRITATION, REDNESS, |
| POSSIBLE BURNS. |
| INHALATION-BREATHING OF MISTS CAN CAUSE IRRITATION AND POSSIBLE |
| DAMAGE TO NASAL AND RESPIRATORY PASSAGES. |
| INGESTION-CAN CAUSE SEVERE IRRITATION OF LIPS, MOUTH, THROAT, |
| RESPIRATORY TRACT AND ESOPHAGUS. MAY CAUSE BURNS AND SEVERE DAMAGE |
| OF GASTROINTESTINAL TRACT. |

| EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |
| NO DATA. |

| 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, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY: |
| NONE KNOWN |

SECTION VII - PREVENTIVE MEASURES

| PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: RUBBER OR VINYL WHEN HANDLING CONCENTRATE |
| RESPIRATORY: NONE FOR NORMAL USE. WEAR NIOSH APPROVED RESPIRATOR IF |
| MISTING OCCURS. |
| EYE: CHEMICAL GOGGLES OR FACE SHIELD IF SPLASHING IS LIKELY |
| FOOTWEAR: NO SPECIAL REQUIREMENTS |
| CLOTHING: ADEQUATE TO PREVENT CONTACT WITH SKIN. |
| OTHER: EYE WASH AND SAFETY SHOWER |
| ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): NONE FOR |
| NORMAL PRODUCT USE. PROVIDE LOCAL VENTILATION TO MAINTAIN EXPOSURE |
| LEVELS WITHIN ACCEPTABLE LIMITS ID MISTING OCCURS. |

| LEAK AND SPILL PROCEDURE: WEAR RECOMMENDED PROTECTIVE EQUIPMENT. |
| CONTAIN SPILL. TARNSEFER TO SUITABLE CONTAINER FOR REUSE OR DISPOSAL. |
| NEUTRALIZE REMAINING MATERIAL WITH DILUTE ACID. ABSORB ONTO INERT |
| ABSORBENT SCOOP INTO DISPOSAL CONTAINER. FLUSH RESIDUAL WITH LARGE |
| VOLUMES OF WATER. |

| WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH LOCAL, PROVINCIAL AND |
| FEDERAL REGULATIONS. |



MATERIAL SAFETY DATA SHEET

MATERIAL REFERENCE NO: 282600

SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-IMMEDIATELY FLUSH WITH RUNNING WATER FOR AT LEAST 20 MINUTES.
GET MEDICAL ATTENTION IMMEDIATELY.
SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH CONTAMINATED AREA WITH
RUNNING WATER FOR AT LEAST 20 MINUTES. GET MEDICAL ATTENTION.
LAUNDER CLOTHING BEFORE REUSE.
INHALATION-REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.
INGESTION-IF SWALLOWED DO NOT INDUCE VOMITING. SLOWLY GIVE 1-2
GLASSES OF MILK OR WATER. IF VOMITING OCCURS GIVE FLUIDS AGAIN.
NEVER GIVE LIQUIDS BY MOUTH 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
CORROSIVE LIQUIDS N.O.S. (POTASSIUM HYDROXIDE)	8	1760	II

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND
CLOTHING. WASH THOROUGHLY AFTER HANDLING.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA AWAY FROM ACIDS AND
INCOMPATIBLES. KEEP FROM FREEZING. KEEP CONTAINER CLOSED WHEN NOT IN
USE.

SPECIAL SHIPPING INFORMATION: HEATED

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	0	3

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444
REVISED: OCTOBER 4, 2009

DISCLAIMER:

THE INFORMATION CONTAINED HEREIN IS COMPILED FROM SOURCES BELIEVED TO
BE RELIABLE. THE MANNER AND CONDITIONS OF USE AND HANDLING MAY INVOLVE
OTHER AND ADDITIONAL CONSIDERATIONS. WE ACCEPT NO RESPONSIBILITY FOR THE
ACCURACY, SUFFICIENCY, RELIABILITY OR FOR ANY LOSS OR INJURY RESULTING
FROM THE USE OF THE INFORMATION.