



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: E

MATERIAL REFERENCE NO: 550600

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: KEMTREET SB 506	
CHEMICAL NAME: CAUSTIC SOLUTION	CHEMICAL FAMILY: ALKALIES
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: LIQUID pH ADJUSTER	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV MG/M3	C.A.S. NUMBERS	LDLo ORAL RABBIT
SODIUM HYDROXIDE	10.0-30.0	2	1310-73-2	500 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID			
ODOUR AND APPEARANCE: CLEAR, CLOURLESS LIQUID; LOW ODOUR.			
ODOUR THRESHOLD (PPM)		SPECIFIC GRAVITY	VAPOUR PRESSURE
NOT AVAILABLE		1.12	NOT APPLICABLE
VAPOUR DENSITY (AIR=1)		EVAPORATION RATE	SOLUBILITY IN WATER
NOT APPLICABLE		(WATER=1) <1	SOLUBLE
BOILING POINT (C)		MELTING POINT (C)	% VOLATILE (BY VOLUME)
NOT AVAILABLE		NOT AVAILABLE	> 70
pH (10% SOLUTION)		DENSITY (G/ML)	COEF.OF WATER/OIL DISTR
VERY STRONG ALKALI		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: AS FOR SURROUNDING MATERIALS	
SPECIAL PROCEDURES: WEAASS	INUUUDINGLSUU -



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
EYES-EXTREMELY CORROSIVE. CAUSES CORNEAL SCARRING AND CLOUDING.
GLAUCOMA, CATARACTS AND PERMANENT BLINDNESS MAY OCCUR. DAMAGE MAY
BE DELAYED AND NOT INITIALLY APPARENT. DUST MAY IRRITATE THE EYES.
SKIN-CONTACT CAN CAUSE DEEP AND SEVERE SKIN BURNS, ULCERATION AND
SCARRING. PAINFUL TISSUE DAMAGE MAY RESULT AND THE SENSATION OF
PAIN MAY BE DELAYED.
INHALATION-MIST MAY CAUSE SEVERE IRRITATION OF THE NOSE, THROAT AND
LUNGS.
INGESTION-MAY CAUSE PAIN, VOMITING AND SEVERE BURNS OF MOUTH, THROAT
AND EXTENSIVE DAMAGE OR PERFORATION OF THE ESOPHAGUS. MAY BE FATAL.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:

LD 50 OF MATL.	LC 50 OF MATL.	EXPOSURE LIMIT(S)	IRRITANCY OF MATL
NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	VERY CORROSIVE

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NOT AVAILABLE	NOT AVAILABLE

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
NOT KNOWN

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER, NITRILE OR PVC
RESPIRATORY: APPROVED FOR FUMES AND MISTS UP TO 20mg/m³. AIR
SUPPLIED RESPIRATOR FOR HIGHER CONCENTRATIONS.
EYE: CHEMICAL GOGGLES OR FACE SHIELD
FOOTWEAR: RUBBER BOOTS
CLOTHING: RUBBER APRON
OTHER: EYE WASH AND SAFETY SHOWER
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): GOOD
GENERAL AREA VENTILATION.

LEAK AND SPILL PROCEDURE: STOP AND CONTAIN LEAK OR SPILL. VENTILATE
AREA. PROTECTIVE EQUIPMENT MUST BE WORN. DYKE WITH INERT MATERIAL
(SAND, EARTH ETC.). TRANSFER TO SUITABLE CONTAINER FOR REUSE OR
DISPOSAL. ABSORB REMAINING MATERIAL ONTO INERT ABSORBENT AND SCOOP
INTO DISPOSAL CONTAINER. CAREFULLY NEUTRALIZE RESIDUE WITH DILUTE
HYDROCHLORIC ACID AND FLUSH WITH VOLUMES OF WATER. KEEP OUT OF
WATERWAYS.

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



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH EYES WITH RUNNING WATER FOR AT LEAST 20 MINUTES HOLDING EYELIDS OPEN. ALWAYS OBTAIN IMMEDIATE MEDICAL ATTENTION.
SKIN-REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED AREA WITH RUNNING WATER FOR AT LEAST 20 MINUTES. OBTAIN MEDICAL ATTENTION IMMEDIATELY.
INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT GIVE OXYGEN. IF NOT BREATHING ADMINISTER ARTIFICIAL RESPIRATION AND THEN GIVE OXYGEN. OBTAIN MEDICAL ATTENTION.
INGESTION-UNLESS UNCONSCIOUS OR CONVULSING GIVE 1-2 GLASSES OF MILK OR WATER TO DILUTE. DO NOT INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IMMEDIATELY.
EMERGENCY MEDICAL CARE-EYE BURNS OFTEN GO THROUGH THREE STAGES-AN ACUTE STAGE WHEN EARLY DAMAGE IS EXPERIENCED, A REPARABLE STAGE WHEN EYE BEGINS TO HEAL AND A RELAPSE STAGE. FOLLOW UP CARE IS ESSENTIAL.

SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS

ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PG
SODIUM HYDROXIDE SOLUTION	8	1824	II

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND CLOTHING. HANDLE CAREFULLY. WASH THOROUGHLY AFTER HANDLING. ADD CAUSTIC SOLUTION TO WATER TO AVOID BOILING AND SPLATTERING.
SOLUTIONS ARE VERY SLIPPERY ON FLOORS.

STORAGE REQUIREMENTS: STORE BETWEEN 15-50(C). PROTECT CONTAINER FROM DAMAGE. DO NOT STORE NEAR INCOMPATIBLE MATERIALS.

SPECIAL SHIPPING INFORMATION: KEEP FROM FREEZING.

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	2	3

SECTION XI - PREPARATION DATE OF MSDS

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

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