



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: 139200

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: GREASE GO	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ALKALINE BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: GRILL CLEANER	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV MG/M3	C.A.S. NUMBERS	LD 50 ACUTE DERMAL
SODIUM HYDROXIDE	30.0-60.0	2	1310-73-2	500 MG/KG
				(LDLo RABBIT)
COCO IMIDAZOLINE	1.0-5.0	NOT	68298-20-4	171000 MG/KG
AMPHOTERIC		AVAILABLE		(ORAL, RAT)

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID	
ODOUR AND APPEARANCE: CLOUDY, WHITE, VISCOUS LIQUID; LOW ODOUR.	
ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY
NOT AVAILABLE	1.363
VAPOUR DENSITY (AIR=1)	EVAPORATION RATE
NOT APPLICABLE	NOT AVAILABLE
SOLUBILITY IN WATER	
(20°C) COMPLETE	
BOILING POINT (C)	FREEZING POINT (C)
134	NOT AVAILABLE
% VOLATILE (BY WEIGHT)	
57.5	
pH (1.0% SOLUTION)	DENSITY (G/ML)
12.5-13.5	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: AS FOR SURROUNDING MATERIALS			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-			
CONTAINED BREATHING APPARATUS. RESIDUAL MATERIAL WILL RESULT IN			
SLIPPERY SURFACES.			
FLASH POINT (C) AND METHOD: NONE			
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, AMMONIA, NITROUS			
OXIDE.			
UPPER EXPLOSION LIMIT	LOWER EXPLOSION LIMIT	AUTOIGNITION TEMP (C)	
NONE	NONE	NOT APPLICABLE	
EXPLOSION DATA SENSITIVITY			
TO CHEMICAL IMPACT			
NOT AVAILABLE	NOT APPLICABLE	NOT AVAILABLE	
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE			

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE			
IF NO, UNDER WHICH CONDITIONS:			
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: ACIDS, FLAMMABLE LIQUIDS, ORGANIC HALOGEN			
COMPOUNDS, REACTIVE METALS, NITROMETHANE AND OTHER SIMILAR NITRO			
COMPOUNDS.			
REACTIVITY AND UNDER WHAT CONDITIONS: CONTACT WITH ACIDS, FLAMMABLE			
LIQUIDS AND ORGANIC HALOGEN COMPOUNDS MAY CAUSE FIRE AND EXPLOSIONS.			
CONTACT WITH METALS SUCH AS ALUMINUM, TIN AND ZINC CAUSES FORMATION			
OF FLAMMABLE HYDROGEN GAS. CONTACT WITH NITROMETHANE AND OTHER			
SIMILAR NITRO COMPOUNDS CAUSES FORMATION OF SHOCK-SENSITIVE SALTS.			
ALSO REACTS WITH BRONZE AND BRASS. GENERATES HEAT WHEN ADDED TO			
WATER.			
HAZARDOUS DECOMPOSITION PRODUCTS: NONE			

SECTION VI - HEALTH HAZARD DATA

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



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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. |
|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 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: |
NO DATA

|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: |
NONE KNOWN

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

| GLOVES: RUBBER, NITRILE OR PVC |
|RESPIRATORY: NONE FOR NORMAL USE. |
| EYE: CHEMICAL GOGGLES OR FACE SHIELD |
| FOOTWEAR: IMPERVIOUS. |
| CLOTHING: CHEMICAL RESISTANT. |
| 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.). DO NOT ALLOW ENTRY INTO WATERWAYS. 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 ALL 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
CORROSIVE LIQUIDS, N.O.S. (SODIUM HYDROXIDE)	8	1760	II

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

STORAGE REQUIREMENTS: STORE BETWEEN 15-50(C). KEEP CONTAINER CLOSED WHEN NOT IN USE.

SPECIAL SHIPPING INFORMATION: SHIP HEATED

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
REVIEWED: OCTOBER 4, 2009

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