

## 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 (LD <sub>50</sub> RABBIT)
COCO IMIDAZOLINE AMPHOTERIC	1.0-5.0	NOT AVAILABLE	68298-20-4	171000 MG/KG (ORAL, RAT)

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: CLOUDY, WHITE, VISCOS LIQUID; LOW ODOUR.		
ODOUR THRESHOLD (PPM) NOT AVAILABLE	SPECIFIC GRAVITY 1.363	VAPOUR PRESSURE NOT AVAILABLE
VAPOUR DENSITY (AIR=1) NOT APPLICABLE	EVAPORATION RATE NOT AVAILABLE	SOLUBILITY IN WATER (20°C) COMPLETE
BOILING POINT (C) 134	FREEZING POINT (C) NOT AVAILABLE	% VOLATILE (BY WEIGHT) 57.5
pH (1.0% SOLUTION) 12.5-13.5	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: 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   RATE OF BURNING   EXPLOSIVE POWER	
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. |

|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.	8	1760	II
(SODIUM HYDROXIDE)			

|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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