



# 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: 258800

## SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: REN-O-GROUT	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: ACID BLEND
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: TILE AND GROUT RENOVATOR	

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS   INGREDIENTS	APPROX.     CONCENT.	TLV   MG/M3	C.A.S.   NUMBERS	LD 50   ORAL, RAT
SULPHURIC ACID	1.0-5.0	0.2	7664-93-9	2140 MG/KG
PHOSPHORIC ACID	3.0-7.0	1	7664-38-2	1530 MG/KG
ALKYLBENZEN-	1.0-5.0	NO DATA	68584-22-5	530 MG/KG
SULPHONIC ACID				
ETHOXYLATED ALCOHOL	1.0-5.0	NO DATA	68131-39-5	2000 MG/KG
COCOAMIDE DIETHANOLAMINE	1.0-5.0	NO DATA	68603-42-9	12400 µL/KG

## SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID			
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ODOUR AND APPEARANCE: YELLOW, OPAQUE, VISCOUS LIQUID; FRUITY			
STRAWBERRY ODOUR.			
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ODOUR THRESHOLD (PPM)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)	
NOT AVAILABLE	1.062	NOT AVAILABLE	
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VAPOUR DENSITY (AIR=1)	EVAPORATION RATE	SOLUBILITY IN WATER	
NOT AVAILABLE	(WATER=1) <1	(20 ø C) COMPLETE	
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BOILING POINT (C)	FREEZING POINT (C)	% VOLATILE (BY WEIGHT)	
NOT AVAILABLE	NOT AVAILABLE	85	



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## SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

FLAMMABILITY: NON-FLAMMABLE			
IF YES, UNDER WHICH CONDITIONS:			
MEANS OF EXTINCTION: WATER SPRAY, CARBON DIOXIDE, ALCOHOL FOAM			
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF			
CONTAINED BREATHING APPARATUS.			
COOL FIRE EXPOSED CONTAINERS WITH WATER.			
FLASH POINT (C) AND METHOD: NONE (TCC)			
HAZARDOUS COMBUSTION PRODUCTS: MAY EVOLVE OXIDES OF PHOSPHOROUS,			
SULPHUR, NITROGEN AND CARBON, SULPHUR DIOXIDE, ACRID SMOKE AND FUMES			
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 AVAILABLE	
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE			

## SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: NORMALLY STABLE			
IF NO, UNDER WHICH CONDITIONS: HIGH HEAT			
INCOMPATIBILITY TO OTHER SUBSTANCES: YES			
IF SO, WHICH ONES: STRONG ALKALIES, STRONG OXIDIZING AGENTS,			
REDUCING AGENTS, FLUORINE, CHLORATES, NITRATES, EPICHLOROHYDRIN.			
REACTIVE METALS.			
REACTIVITY AND UNDER WHAT CONDITIONS: MAY REACT WITH SUCH METALS AS			
ALUMINUM AND MAGNESIUM TO FORM FLAMMABLE HYDROGEN GAS. MAY CORRODE			
IRON, TIN, BRASS.			
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN EMIT			
OXIDES OF PHOSPHOROUS, SULPHUR, NITROGEN AND CARBON, SULPHUR DIOXIDE			
ACRID SMOKE AND FUMES.			

## 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-CAN CAUSE SEVERE IRRITATION, STINGING, TEARING, BURNS, CORNEAL |  
|DAMAGE. |  
|SKIN-MAY CAUSE MODERATE TO SEVERE IRRITATION, REDNESS, POSSIBLE |  
|BURNS. |  
|INHALATION-EXCESSIVE BREATHING OF MISTS OR VAPOURS CAN CAUSE |  
|IRRITATION OF NOSE, EYES AND THROAT, COUGHING, SHORTNESS OF BREATH, |  
|HEADACHES. |  
|INGESTION-CAN CAUSE SEVERE IRRITATION OR POSSIBLE BURNS OF LIPS, |  
|MOUTH, THROAT AND STOMACH,, PAIN IN SWALLOWING, GASTROINTESTINAL |  
|IRRITATION, NAUSEA, VOMITING, DIARRHEA. |

|EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |  
|SKIN-PROLONGED OR REPEATED CONTACT MAY CAUSE DRYING, DERMATITIS. |  
|INHALATION-PROLONGED OR REPEATED INHALATION OF HIGH CONCENTRATIONS |  
|OF MIST OR VAPOURS MAY CAUSE PULMONARY EDEMA. |

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

|SENSITIZATION OF MATERIAL | SYNERGISTIC MATERIALS |  
| NOT AVAILABLE | NOT AVAILABLE |

|CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY |  
|IARC CONCLUDES OCCUPATIONAL EXPOSURES TO STRONG INORGANIC MISTS |  
|CONTAINING SULPHURIC ACID IS CARCINOGENIC TO MAN. (GROUP 1). ACGIH |  
|CLASSIFIES SULPHURIC ACID (CONTAINED IN STRONG INORGANIC MISTS) AS |  
|A1-SUSPECTED HUMAN CARCINOGEN. |

## SECTION VII - PREVENTIVE MEASURES

|PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: NEOPRENE, PVC, BUTYL RUBBER |  
|RESPIRATORY: NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR EQUIPPED |  
|WITH ACID GAS/FUME, MIST CARTRIDGE FOR CONCENTRATIONS UP TO 10 MG/M3 |  
| EYE: SAFETY GLASSES WITH SIDE SHIELDS. |  
| FOOTWEAR: IMPERVIOUS. |  
| CLOTHING: FULL LENGTH TROUSERS AND LONG SLEEVED SHIRT. |  
| OTHER: EYE WASH AND SAFETY SHOWER |  
|ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): MECHANICAL |  
|VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS WITHIN OCCUPATIONAL |  
|GUIDELINES. LOCAL EXHAUST IN CONFINED OR POORLY VENTILATED AREAS. |

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

|WASTE DISPOSAL: DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, |  
|PROVINCIAL AND MUNICIPAL REGULATIONS. |



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## SECTION VIII - FIRST AID MEASURES

PROCEDURES:  
EYES-IMMEDIATELY FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES  
WHILE HOLDING EYELIDS OPEN. GET IMMEDIATE MEDICAL ATTENTION.  
SKIN-REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA THOROUGHLY  
WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.  
LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE.  
INHALATION-REMOVE TO FRESH AIR. IF NOT BREATHING, ADMINISTER  
ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT GIVE OXYGEN. GET  
IMMEDIATE MEDICAL ASSISTANCE.  
INGESTION-DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. SLOWLY  
GIVE 2 GLASSES OF WATER OR MILK. NEVER GIVE FLUIDS BY MOUTH TO AN  
UNCONSCIOUS OR CONVULSING VICTIM. 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.	PK GROUP
CORROSIVE LIQUIDS, N.O.S. (PHOSPHORIC ACID)	8	1760	III

HANDLING PROCEDURES AND EQUIPMENT: DO NOT GET ON SKIN, EYES OR  
CLOTHING. WASH HANDS IMMEDIATELY AFTER HANDLING.

STORAGE REQUIREMENTS: STORE IN A COOL, DRY, WELL-VENTILATED AREA  
AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED WHEN NOT IN  
USE. KEEP FROM FREEZING.

SPECIAL SHIPPING INFORMATION: NONE

## SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
0	1	2

## SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT	TELEPHONE # (905) 456-9444
REVISED: OCTOBER 4, 2009	REPLACES: JANUARY 12, 2006

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