



MATERIAL SAFETY DATA SHEET

KEM CANADA MFG.
4 BLAIR DRIVE
BRAMPTON, ONTARIO
L6T 2H5

EMERGENCY # CANUTEC (613) 996-6666
"USE IN CASE OF CHEMICAL EMERGENCY ONLY"

W.H.M.I.S. CLASSIFICATION:
NOT REGULATED UNDER WHMIS

MATERIAL REFERENCE NO: 135700

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: GERMEX	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: DISINFECTANT
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: DISINFECTANT DEODORANT	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL/RAT	LC 50 INHALATION
ORTHOPHENYL- PHENOL	0.1-1.0	5 MG/KG	90-43-7	2000 MG/KG	NOT AVAILABLE
PARATERTIARY- AMYL PHENOL	0.01-0.1	NOT AVAILABLE	80-46-6	1830 MG/KG	NOT AVAILABLE
ISOPROPANOL	40.0-70.0	400	67-63-0	5045 MG/KG	RAT, 8 HOUR 12000 PPM

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: LIGHT PINK COLOUR; BOUQUET ODOUR.		
ODOUR THRESHOLD (PPM) APPROXIMATELY 400	SPECIFIC GRAVITY 0.884	VAPOUR PRESSURE (MM) GREATER THAN 1
VAPOUR DENSITY (AIR=1 GREATER THAN 1	EVAPORATION RATE (WATER = 1) < 1	SOLUBILITY IN WATER (20 ° C) SOLUBLE
BOILING POINT (C) 93	FREEZING POINT (C) NOT AVAILABLE	% VOLATILE (BY WEIGHT) 95
pH (50% SOLUTION) 7.8-8.5	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: FLAMMABLE		
IF YES, UNDER WHICH CONDITIONS: OPEN FLAME, SPARK, HIGH HEAT SOURCE.		
MEANS OF EXTINCTION: CARBON DIOXIDE, ALCOHOL FOAM, DRY CHEMICAL.		
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS. VAPOURS ARE HEAVIER THAN AIR AND MAY TRAVEL TO AN IGNITION SOURCE. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.		
FLASH POINT (C) AND METHOD: 32.2 (TCC)		
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, ALDEHYDES.		
UPPER EXPLOSION LIMIT 12% (IPA)	LOWER EXPLOSION LIMIT 2% (IPA)	AUTOIGNITION TEMP(C) NOT AVAILABLE
EXPLOSION DATA SENSITIVITY TO CHEMICAL IMPACT NOT AVAILABLE	RATE OF BURNING NOT AVAILABLE	EXPLOSIVE POWER NOT AVAILABLE
SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE		

SECTION V - REACTIVITY DATA

CHEMICAL STABILITY: STABLE		
IF NO, UNDER WHICH CONDITIONS: AVOID SOURCES OF IGNITION.		
INCOMPATIBILITY TO OTHER SUBSTANCES: YES		
IF SO, WHICH ONES: STRONG ACIDS, STRONG BASES, STRONG OXIDIZING AGENTS, LEAD, ALUMINUM.		
REACTIVITY AND UNDER WHAT CONDITIONS: MAY BE CORROSIVE TO LEAD AND ALUMINUM.		
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.		
HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN EMIT OXIDES OF CARBON, ALDEHYDES.		

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 IRRITATION, BURNING SENSATION, REDNESS, SWELLING AND BLURRED VISION.
SKIN-MAY CAUSE IRRITATION. PROLONGED OR REPEATED CONTACT CAN CAUSE IRRITATION, DRYING AND CRACKING OF SKIN.
INHALATION-MAY CAUSE HEADACHE, NAUSEA, VOMITING, DIZZINESS, DROWZINESS.
INGESTION-MAY BE TOXIC. CAN CAUSE IRRITATION OF UPPER DIGESTIVE TRACT, DIZZINESS, HEADACHE, FATIGUE, CENTRAL NERVOUS SYSTEM DEPRESSION.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
NO ADDITIONAL DATA AVAILABLE.

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

SENSITIZATION OF MATERIAL	SYNERGISTIC MATERIALS
NOT AVAILABLE	NOT AVAILABLE

CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY
NONE KNOWN

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: NATURAL RUBBER, BUTYL RUBBER, NEOPRENE, VITON
RESPIRATORY: NIOSH APPROVED CHEMICAL CARTRIDGE RESPIRATOR WITH ORGANIC VAPOUR CARTRIDGES IN TLV IS EXCEEDED.
EYE: CHEMICAL GOGGLES
FOOTWEAR: NO SPECIAL REQUIREMENTS FOR NORMAL USE. IMPERVIOUS IF HANDLING LARGE QUANTITIES OF CONCENTRATE.
CLOTHING: NO SPECIAL REQUIREMENTS FOR NORMAL USE. WEAR SUITABLE PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT IF HANDLING LARGE QUANTITIES OF CONCENTRATE.
OTHER: EYE WASH AND SAFETY SHOWER.
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): PROVIDE LOCAL VENTILATION IN CONFINED AREAS OR MECHANICAL VENTILATION AS REQUIRED TO MAINTAIN AIRBORNE CONCENTRATIONS WITHIN ACCEPTABLE LIMITS.

LEAK AND SPILL PROCEDURE: WEAR RECOMMENDED PROTECTIVE EQUIPMENT. CONTAIN SPILL. ELIMINATE IGNITION SOURCES. TRANSFER TO SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL. ABSORB REMAINING MATERIAL ONTO ABSORBANT AND PLACE IN PROPERLY LABELED CONTAINER FOR DISPOSAL. FLUSH RESIDUAL WITH VOLUMES OF WATER.

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



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SECTION VIII - FIRST AID MEASURES

PROCEDURES:
EYES-FLUSH IMMEDIATELY WITH RUNNING WATER FOR AT LEAST 15 MINUTES.
OBTAIN IMMEDIATE MEDICAL ATTENTION.
SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA WITH
RUNNING WATER FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION IF
SYMPTOMS OCCUR. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.
INHALATION-MOVE VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE
ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GET IMMEDIATE
MEDICAL ATTENTION.
INGESTION-DO NOT INDUCE VOMITING. GUARD AGAINST ASPIRATION INTO
LUNGS. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING
VICTIM. GET IMMEDIATE MEDICAL ASSISTANCE.
SOURCES USED: RAW MATERIAL SUPPLIERS' MATERIAL SAFETY DATA.
ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PACKING GROUP
FLAMMABLE LIQUID N.O.S.	3	1993	II
(ISOPROPYL ALCOHOL)			
HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN.			
USE WITH ADEQUATE VENTILATION. DO NOT USE NEAR SOURCES OF IGNITION.			
WASH THOROUGHLY AFTER HANDLING.			
STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA. DO NOT STORE IN			
DIRECT SUNLIGHT. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP FROM			
FREEZING.			
SPECIAL SHIPPING INFORMATION: NONE			

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
3	0	1

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT	TELEPHONE # (905) 456-9444
REVIEWED: JANUARY 15, 2009	REPLACES: JANUARY 12, 2006

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