



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:
 B2, D1B, D2A, D2B

MATERIAL REFERENCE NO: 265100

SECTION I - MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/I.D.: SAN-O-VAN	
CHEMICAL NAME: NOT APPLICABLE	CHEMICAL FAMILY: MIXTURE
CHEMICAL FORMULA: MIXTURE	MOLECULAR WEIGHT: NOT APPLICABLE
SYNONYMS: NONE	
MATERIAL USE: GARBAGE CONTAINER CLEANER AND DEODORIZER	

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROX. % CONCENT.	TLV PPM	C.A.S. NUMBERS	LD 50 ORAL, RAT
0-DICHLOROBENZENE	30.0-60.0	50	95-50-1	500 MG/KG
ISOPROPYL ALCOHOL	10.0-30.0	400	67-63-0	5030 MG/KG
MINERAL SPIRITS	10.0-30.0	100	64742-47-8	NOT AVAILABLE
POTASSIUM HYDROXIDE	1.0-5.0	2 MG/M3	1310-58-3	365 MG/KG

SECTION III - PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE: LIQUID		
ODOUR AND APPEARANCE: ORANGE LIQUID; STRONG AROMATIC ODOUR.		
ODOUR THRESHOLD (PPM) APPROXIMATELY 300	SPECIFIC GRAVITY 0.940	VAPOUR PRESSURE (MM) NOT AVAILABLE
VAPOUR DENSITY (AIR=1) >1	EVAPORATION RATE (KEROSENE=1) ~1.0	SOLUBILITY IN WATER (20°C) EMULSIFIES
BOILING POINT (C) 93	FREEZING POINT (C) NOT AVAILABLE	% VOLATILE (BY WEIGHT) 80
pH (10% SOLUTION) NOT APPLICABLE	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:		
MEANS OF EXTINCTION: CHEMICAL FOAM, CARBON DIOXIDE		
SPECIAL PROCEDURES: WEAR FULL PROTECTIVE GEAR INCLUDING SELF- CONTAINED BREATHING APPARATUS. EXTINGUISHING MEDIA CONTAINING WATER MUST BE APPLIED WITH CARE TO PREVENT FROTHING OR FOAMING. WHICH COULD SPREAD THE FIRE. VAPOURS CONCENTRATED IN A CONFINED OR POORLY VENTILATED AREA CAN BE IGNITED UPON CONTACT WITH A SPARK, FLAME, OR HIGH INTENSITY SOURCE OF HEAT.		
FLASH POINT (C) AND METHOD: 20.6 (TCC)		
HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE, HYDROGEN CHLORIDE, CHLORINE.		
UPPER EXPLOSION LIMIT NOT AVAILABLE	LOWER EXPLOSION LIMIT NOT AVAILABLE	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: NORMALLY STABLE IF NO, UNDER WHICH CONDITIONS: HIGH TEMPERATURES		
INCOMPATIBILITY TO OTHER SUBSTANCES: YES IF SO, WHICH ONES: AVOID CONTACT WITH STRONG OXIDIZING AGENTS OR OTHER REACTIVE MATERIALS.		
REACTIVITY AND UNDER WHAT CONDITIONS: NOT KNOWN		
HAZARDOUS DECOMPOSITION PRODUCTS: UNDEFINED ORGANICS, HYDROGEN CHLORIDE, CHLORINE.		

SECTION VI - HEALTH HAZARD DATA

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



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EFFECTS OF ACUTE EXPOSURE TO MATERIAL:
EYES-CONTACT MAY CAUSE STINGING OR BURNING SENSATION, INTENSE WATERING, CONJUNCTIVITIS.
SKIN-CONTACT MAY CAUSE DRYING OF SKIN, CRACKING WITH IRRITATION.
INHALATION-MAY CAUSE IRRITATION OF NOSE, EYES AND THROAT, COUGHING, DIZZINESS, NAUSEA, DIFFICULTY IN BREATHING, CHEMICAL BRONCHITIS
INGESTION-MAY CAUSE IRRITATION AND BURNING SENSATION OF LIPS, MOUTH AND THROAT, PAIN IN SWALLOWING, GASTRO-INTESTINAL IRRITATION, ABUNDANT SALIVATION, STOMACH CRAMPS, NAUSEA AND VOMITING, COMA, DEATH.

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:
SKIN-PROLONGED OR REPEATED CONTACT MAY CAUSE DEFATTING, DERMATITIS.

LD 50 OF MATL. NOT AVAILABLE	LC 50 OF MATL. NOT AVAILABLE	EXPOSURE LIMIT(S) NOT AVAILABLE	IRRITANCY OF MATL TOXIC
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SENSITIZATION OF MATERIAL NOT AVAILABLE	SYNERGISTIC MATERIALS NOT AVAILABLE
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CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:
NONE

SECTION VII - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: RUBBER OR VINYL
RESPIRATORY: WORN BY PERSONS SENSITIVE TO FUMES
EYE: FACE SHIELD OR SAFETY GOGGLES
FOOTWEAR: ADEQUATE TO PROTECT SKIN
CLOTHING: ADEQUATE TO PROTECT SKIN
OTHER: EYE WASH AND SAFETY SHOWER
ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): LOCAL AS NEEDED TO CONTROL FUMES.

LEAK AND SPILL PROCEDURE: STOP LEAKS AND CONTAIN SPILL. PUMP SPILLED MATERIAL INTO METAL DRUMS FOR DISPOSAL OR RECLAIM. REMOVE REMAINING MATERIAL BY ABSORBING ON SAWDUST OR VERMICULITE AND PLACE IN METAL CONTAINERS. THEN THOROUGHLY WET VACUUM AREA OF SPILL. IF AREA IS POROUS REMOVE AS MUCH CONTAMINATED SOIL AS POSSIBLE INTO CONTAINERS.

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



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SECTION VIII - FIRST AID MEASURES

PROCEDURES: EYES-IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR 15 MINUTES. IF PAIN OR IRRITATION PERSIST, SEEK MEDICAL ASSISTANCE.
SKIN-REMOVE CONTAMINATED CLOTHING AND FLUSH AFFECTED AREA WITH WATER FOR 15 MINUTES. IF PAIN OR IRRITATION PERSIST, SEEK MEDICAL ASSISTANCE. LAUNDRY CLOTHING BEFORE REUSE.
INHALATION-MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION AND THEN GIVE OXYGEN. GET MEDICAL ATTENTION.
INGESTION-IF SWALLOWED-GIVE SEVERAL GLASSES OF WATER OR MILK. KEEP WARM AND GET TO HOSPITAL IMMEDIATELY.

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

ADDITIONAL INFORMATION: NONE

SECTION IX - TDG SHIPPING INFORMATION

SHIPPING NAME	CLASS	UN NO.	PACKING GROUP
FLAMMABLE LIQUID N.O.S. (ISOPROPYL ALCOHOL)	3	1993	II

HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING,

STORAGE REQUIREMENTS: STORE IN A COOL, DRY WELL-VENTILATED AREA IN ORIGINAL CONTAINER PROPERLY SEALED.

SPECIAL SHIPPING INFORMATION: NONE

SECTION X - HMIS HAZARD RATING INFORMATION

FLAMMABILITY	REACTIVITY	HEALTH
4	0	2

SECTION XI - PREPARATION DATE OF MSDS

PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444
REVIEWED: JULY 14, 2003

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