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PRODUCT NAME:100-CRYSTAL KOTE LACQUER-ALL PURPOSEHMIS CODES:H F R P**PRODUCT CODE:**100-WKIB-VOC3 3 0 J

MANUFACTURER'S NAME:WOOD KOTE PRODUCTS INC.ADDRESS: 8000 NE 14TH PLACEPORTLAND, OR 97211

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======= SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ========

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP		WEIGHT PERCENT
* ALKYD RESIN SOLUTION	1330-20-7	6.68	68 F	20% TO 30%
OSHA TWA: 100ppm (M-XYLENE) * ISOPROPYL ALCOHOL 400 PPM TLV 500 PPM STEL	67-63-0	33	20 C	20% TO 30%
MINERAL SPIRITS 100 PPM ACGIH TLV 100 PPM OSHA PEL	64742-88-7	<5	68 F	10% TO 15%
* METHYL ISOBUTYL KETONE OSHA PEL/TWA 100ppm ACGIH TLV/TWA 50 ppm	108-10-1	14.5	68 F	10% TO 15%
PROPYLENE GLYCOL MONOMETHYL ETHER * TOLUENE 100 PPM PEL 50 PPM TLV SKIN	000107-98-2 108-88-3			10% TO 15% 0% TO 10%
SOLVENT NAPHTHA, LIGHT ALIPHATIC OSHA PEL 300 PPM ACGIH TLV 300 PPM NITROCELLULOSE	64742-89-8	7.7	68 F	0% TO 10%
DIPROPYLENE GLYCOL MONOMETHYL ETHER PEL 100 PPM - SKIN TLV 100 PPM - SKIN OSHA/ACGIH (STEL) 150 PPM	034590-94-8	.41	77 F	<5%
ACETONE OSHA STEL 1000ppm OSHA TWA: 750ppm	67-64-1	180	68 F	<5%
BUTYL BENZYL PHTHALATE OSHA PEL: 5 MG/M3 ACGIH TLV: 5MG/M3	85-68-7	17.5	302 F	
ZINC STEARATE TLV 10 mg/m3 ACGIH TWA	557-05-1	N/A	N/A	

* INDICATES TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372.

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BOILING RANGE: 133 F - 464 F VAPOR DENSITY: HEAVIER THAN AIR

SPECIFIC GRAVITY (H2O=1): 0.89 EVAPORATION RATE: SLOWER THAN BUTYL ACETATE MATERIAL V.O.C.: 706 g/l

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COATING V.O.C.: 719 g/l MATERIAL V.O.C.: 706 g SOLUBILITY IN WATER: NON SOLUBLE APPEARANCE AND ODOR: TRANSLUCENT, TYPICAL LACQUER SOLVENT ODOR

FLASH POINT: 1 F METHOD USED: TCC FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 0.01 UPPER: 16

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS. DANGER: EXTREMELY FLAMMABLE. CLEAR FIRE AREA OF UNPROTECTED PERSONNEL. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL GEAR, INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SCBA. COOL FIRE EXPOSED CONTAINERS WITH WATER. WHEN HEATED ABOVE THE FLASH POINT THIS MATERIAL EMITS FLAMMABLE VAPORS WHICH, WHEN MIXED WITH AIR, CAN BURN OR BE EXPLOSIVE. FINE MIST OR SPRAY MAY BE FLAMMABLE AT TEMPERATURES BELOW THE FLASH POINT.

UNUSUAL FIRE AND EXPLOSION HAZARDS

HANDLE AS FLAMMABLE LIQUID. VAPORS FORM AN EXPLOSIVE MIXTURE IN AIR BETWEEN THE UPPER AND LOWER EXPLOSIVE LIMITS WHICH CAN BE IGNITED BY MANY SOURCES SUCH AS PILOT LIGHTS, OPEN FLAMES, ELECTRICAL MOTORS AND SWITCHES. UNOPENED CONTAINERS EXPOSED TO EXTREME HEAT MAY BUILD UP PRESSURE AND EXPLODE. USE WATER FOG TO COOL UNOPENED CONTAINERS. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY HEAT, PILOT LIGHTS, OTHER FLAMES OR IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

STABILITY: STABLE - AVOID EXPOSURE TO EXCESSIVE HEAT.

CONDITIONS TO AVOID

EXCESSIVE HEAT, POOR VENTILATION AND IGNITION SOURCES.

INCOMPATIBILITY (MATERIALS TO AVOID)

AVOID STRONG OXIDIZERS, STRONG ACIDS, AND STRONG BASES. AVOID HALOGENS AND ALKANOLAMINES AS WELL.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

NORMAL COMBUSTION FORMS CARBON MONOXIDE, CARBON DIOXIDE, AND NITROGEN OXIDES. OTHER ORGANIC COMPOUNDS MAY ALSO BE FORMED. SILICON DIOXIDE AND FORMALDEHYDE MAY ALSO BE FORMED.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

OVEREXPOSURE TO VAPORS MAY RESULT IN CENTRAL NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY DIZZINESS, STAGGERING GAIT, LOSS OF COORDINATION, HEADACHE, NAUSEA. VICTIM MAY EXPERIENCE DIFFICULTY IN BREATHING, AND EVEN LOSS OF CONSCIOUSNESS.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MILDLY IRRITATING TO THE SKIN. PROLONGED OR REPEATED LIQUID CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN. SEVERELY IRRITATING TO THE EYES. HIGH VAPOR CONCENTRATIONS MAY BE IRRITATING.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN ABSORPTION OF SOLVENTS OVER AN EXTENDED PERIOD OF TIME MAY PRODUCE CENTRAL NERVOUS SYSTEM DEPRESSION WITH PHYSIOLOGICAL EFFECTS SIMILAR TO THAT OF INHALATION, INCLUDING DIZZINESS, NAUSEA, HEADACHE, AND LOSS OF COORDINATION. SEE SECTION II HAZARDOUS INGREDIENTS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

LIQUID IS MODERATELY TOXIC AND MAY BE HARMFUL OR FATAL IF SWALLOWED. INGESTION

MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION, NAUSEA, VOMITING, AND GASTROINTESTINAL IRRITATION. ASPIRATION INTO LUNGS MAY CAUSE CHEMICAL PNEUMONITIS, EDEMA.

HEALTH HAZARDS (ACUTE AND CHRONIC)

REPEATED OR PROLONGED OCCUPATIONAL EXPOSURE MAY CAUSE IRRITATION TO THE EYES, NOSE, THROAT, AND RESPIRATORY TRACT; DEFATTING AND DERMITITIS OF THE SKIN, DAMAGE TO THE BRAIN, NERVOUS SYSTEM, LIVER, KIDNEYS, LUNGS, SPLEENS, AND BLOOD. INGESTION OF THIS MATERIAL MAY BE HARMFUL OR FATAL. INHALATION IN EXCESS OF THE THRESHOLD LIMIT VALUES OVER AN EXTENDED PERIOD OF TIME CAN LEAD TO CENTRAL NERVOUS SYSTEM DEPRESSION, HEADACHE DIZZINESS, UNCONSCIOUSNESS, AND EVEN DEATH.

CARCINOGENICITY: NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: YES

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

PRE-EXISTING EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION-MOVE PERSON TO FRESH AIR. IF BREATHING STOPS, APPLY ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION. EYE CONTACT-FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. SKIN CONTACT-WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. INGESTION-DO NOT INDUCE VOMITING. CONTACT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY. NOTE: INGESTION OR SUBSEQUENT VOMITING CAN RESULT IN ASPIRATION OF LIGHT HYDROCARBON LIQUID WHICH CAN CAUSE PNEUMONITIS.

======= SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ==========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

ELIMINATE ALL SOURCES OF IGNITION (FLARES, FLAMES INCLUDING PILOT LIGHTS AND ELECTRICAL SPARKS) VENTILATE AREA OF LEAK OR SPILL. CLEAN-UP PERSONNEL REQUIRE PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION FROM VAPORS. STOP SPILL AT SOURCE, DIKE AREA TO PREVENT SPREADING AND ABSORB LIQUID WITH SAND, CLAY OR OTHER ABSORBENT MATERIAL AND PUT INTO CONTAINERS FOR DISPOSAL. PREVENT RUN-OFF

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TO SEWERS, STREAMS, OR OTHER BODIES OF WATER.

WASTE DISPOSAL METHOD

THE PREFERRED OPTIONS FOR DISPOSAL ARE TO SEND TO LICENSED RECLAIMERS OR TO PERMITTED INCINERATORS. ANY DISPOSAL PRACTICE MUST BE IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

KEEP AWAY FROM HEAT SPARKS AND OPEN FLAME. STORE IN A COOL DRY AREA. KEEP CONTAINERS CLOSED WHEN NOT IN USE. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND CAN BE DANGEROUS.

OTHER PRECAUTIONS

DO NOT PRESSURIZE, CUT OR WELD, DRILL, GRIND, OR EXPOSE CONTAINERS TO HEAT, SPARKS, OPEN FLAME OR OTHER SOURCES OF IGNITION.

RESPIRATORY PROTECTION

AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SEC II) USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORDANCE WITH 29 CFR 1910.134 USE EITHER AN AIR PURIFYING RESPIRATOR FOR ORGANIC VAPORS OR AN AIR SUPPLIED SELF CONTAINED BREATHING APPARATUS.

VENTILATION

LOCAL EXHAUST SHOULD BE SUFFICIENT TO KEEP VAPORS BELOW THE THRESHOLD LIMIT VALUES. OPEN DOORS AND WINDOWS TO PROVIDE FRESH AIR ENTRY AND TO PREVENT VAPOR BUILD-UP.

PROTECTIVE GLOVES

IMPERMEABLE CHEMICAL HANDLING GLOVES SHOULD BE USED FOR SKIN PROTECTION.

EYE PROTECTION

USE CHEMICAL SAFETY GLASSES, GOGGLES, OR FACESHIELDS FOR EYE PROTECTION.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

USE IMPERMEABLE APRONS AND PROTECTIVE CLOTHING WHENEVER POSSIBLE TO PREVENT SKIN CONTACT. EYE WASH AND SAFETY SHOWERS IN THE WORKPLACE ARE RECOMMENDED.

WORK/HYGIENIC PRACTICES

WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING RESTROOMS.

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