

MATERIAL SAFETY DATA SHEET

481-DYE KOTE UV-RED

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PRODUCT NAME: 481-DYE KOTE UV-RED
PRODUCT CODE: 481-DK

HMIS CODES: H F R P
3 3 0 G

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: WOOD KOTE PRODUCTS INC.
ADDRESS : 8000 NE 14TH PLACE
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EMERGENCY PHONE : (800) 535-5053 DATE PRINTED : Discontinued as of 10/01/05
INFORMATION PHONE : (503) 285-8371 NAME OF PREPARER : N. VAIDYA

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

Table with 5 columns: REPORTABLE COMPONENTS, CAS NUMBER, VAPOR PRESSURE mm Hg @ TEMP, WEIGHT PERCENT. Rows include ACETONE (67-64-1, 180 mm Hg @ 68 F, 100%) and ORGANIC COBALT COMPLEX (CONFIDENTIAL, N/A, N/A, <5%).

*** NO TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 311 OF TITLE III AND OF 40 CFR 372 ARE PRESENT. ***
WARNING: DETECTABLE AMOUNTS OF A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM MAY BE PRESENT IN THIS PRODUCT.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 133 F SPECIFIC GRAVITY (H2O=1): 0.80
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
COATING V.O.C.: 0 g/l MATERIAL V.O.C.: 0 g/l
SOLUBILITY IN WATER: COMPLETE
APPEARANCE AND ODOR: CLEAR COLORLESS LIQUID

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 1 F METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 0.026 UPPER: 0.128

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

SPECIAL FIREFIGHTING PROCEDURES

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

WARNING.EXTREMELY FLAMMABLE. CLEAR FIRE AREA OF UNPROTECTED PERSONNEL.DO NOT

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ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR, INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SCBA. COOL FIRE EXPOSED CONTAINERS WITH WATER

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE - AVOID EXPOSURE TO EXCESSIVE HEAT.

CONDITIONS TO AVOID

AVOID HEAT, SPARKS AND FLAME. PREVENT VAPOR ACCUMULATION.

INCOMPATIBILITY (MATERIALS TO AVOID)

AVOID STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

CARBON MONOXIDE & UNIDENTIFIED ORGANIC COMPOUNDS MAY FORM DURING COMBUSTION.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

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

PROLONGED OR REPEATED SKIN CONTACT MAY DRY AND DEFAT SKIN, CAUSING CRACKS, IRRITATION, AND DERMATITIS. EYE CONTACT CAN CAUSE IRRITATION, REDNESS, AND TEARING.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN CONTACT: CAN DRY AND DEFAT SKIN CAUSING CRACKS, IRRITATION, AND DERMATITIS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

LIQUID IS MODERATELY TOXIC AND MAYBE 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)

HEADACHE, NAUSEA, DIZZINESS, AND VOMITING MAY RESULT. IRRITATION TO EYES AND SKIN. CHRONIC - UNKNOWN. NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

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

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EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.

INGESTION: DO NOT GIVE LIQUIDS IF VICTIM IS UNCONSCIOUS OR DROWSY. OTHERWISE GIVE 2 GLASSES OF WATER AND INDUCE VOMITING BY GIVING 30cc SYRUP OF IPECAC (OR TOUCHING FINGER TO THE BACK OF VICTIM'S THROAT). KEEP VICTIM'S HEAD BELOW HIPS WHILE VOMITING. CALL DOCTOR.

SKIN CONTACT: FLUSH SKIN WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

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

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

WARNING. FLAMMABLE. VENTILATE AREA OF LEAK OR SPILL. REMOVE ALL SOURCES OF IGNITION. CLEAN-UP PERSONNEL REQUIRE PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION FROM VAPORS. ONLY SPECIALLY TRAINED OR QUALIFIED PERSONNEL SHOULD HANDLE THE EMERGENCY.

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. DO NOT DUMP INTO SEWERS, GROUND, OR ANY BODY OF WATER.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

TURN OFF ALL IGNITION SOURCES PRIOR TO USE AND UNTIL ALL VAPORS ARE GONE. KEEP CONTAINERS CLOSED WHEN NOT IN USE. OPEN DOORS AND WINDOWS TO PROVIDE GOOD CROSS VENTILATION. VAPORS MAY ACCUMULATE & TRAVEL TO IGNITION SOURCES DISTANT FROM HANDLING SITE. STORE AWAY FROM HEAT, SPARKS, AND OPEN FLAME.

OTHER PRECAUTIONS

SMOKING IN AREAS WHERE THIS MATERIAL IS USED SHOULD BE STRICTLY PROHIBITED. KEEP OUT OF REACH OF CHILDREN.

KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS OF THIS PRODUCT MAY BE HARMFUL.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

WEAR APPROVED RESPIRATORY PROTECTION SUCH AS A NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR OR AN AIR-SUPPLYING RESPIRATOR UNLESS VENTILATION EQUIPMENT IS ADEQUATE TO KEEP AIRBORNE CONCENTRATIONS BELOW THE RECOMMENDED TIME WEIGHTED EXPOSURE LIMITS.

VENTILATION

GENERAL MECHANICAL VENTILATION OR LOCAL EXHAUST SHOULD BE SUITABLE TO KEEP VAPOR CONCENTRATIONS BELOW TLV. VENTILATION EQUIPMENT MUST BE EXPLOSION PROOF.

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PROTECTIVE GLOVES

IMPERMEABLE CHEMICAL HANDLING GLOVES 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 HANDS AND FACE AFTER USE. AN EYEWASH STATION AND SAFETY SHOWER SHOULD BE AVAILABLE IN THE WORK AREA.

===== SECTION IX - DISCLAIMER =====

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. WOOD KOTE PRODUCTS MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCRUACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. WOOD KOTE PRODUCTS ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.