

**MATERIAL SAFETY DATA SHEET**

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PRODUCT IDENTITY/TRADE NAME: KIWOCOL 225 WR

MANUFACTURER: KIWO, INC.

ADDRESS: 1929 MARVIN CIRCLE, P.O. BOX 1009, SEABROOK, TX 77586

INFORMATION TELEPHONE NUMBER: 281-474-9777

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**HAZARD DATA SECTION**

HAZARDOUS INGREDIENTS	% RANGE	CAS #
WATER		
POLYVINYL ALCOHOL	4-24%	9002-89-5
POLYVINYL ACETATE	10-30%	9003-20-7

BOILING POINT: APPROX. 100°C      VAPOR PRESSURE: UNKNOWN

SOLUBILITY: SOLUBLE IN WATER      SPECIFIC GRAVITY: 1.06

APPEARANCE AND ODOR: VIOLET, BLUE OR UNDYED (WHITE) VISCOUS LIQUID

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**PHYSICAL HAZARD DATA**

COMPRESSED GAS: NO      PYROPHORIC: NO

OXIDIZER: NO      ORGANIC PEROXIDE: NO

FLAMMABLE/COMBUSTIBLE: NO      FLASH POINT: NONE

EXTINGUISHING MEDIA: NON-COMBUSTIBLE, USE ANY EXTINGUISHING AGENT  
APPROPRIATE FOR SURROUNDING FIRE.

SPECIAL FIREFIGHTING PROCEDURES: NONE

EXPLOSIVE: NO

REACTIVITY/INCOMPATIBILITY: HIGH CONCENTRATIONS OF ACIDS OR SALTS WILL INITIATE  
NON-HAZARDOUS CROSS-LINKING.

SPECIAL STORAGE PRECAUTIONS: STORE IN A COOL, DRY PLACE.

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**HEALTH HAZARD DATA**

ACUTE EFFECTS OF OVEREXPOSURE: DIRECT CONTACT OF LIQUID WITH EYE MAY CAUSE IRRITATION. INHALATION OF SPRAY MAY CAUSE THROAT AND MUCOUS MEMBRANE IRRITATION. INGESTION MAY CAUSE NAUSEA, DIZZINESS, LACRIMATION, AND CONJUNCTIVITIS.

CHRONIC EFFECTS OF OVEREXPOSURE: NONE KNOWN.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE KNOWN

PRIMARY ROUTE(S) OF EXPOSURE: EYE, SKIN, INGESTION, INHALATION.

LISTED CARCINOGEN: NO

EXPOSURE LIMITS	OSHA PEL	ACGIH TLV
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FIRST AID: SKIN-RINSE WITH PLENTY OF WATER. EYE CONTACT- FLUSH WITH WATER, SEE PHYSICIAN IF IRRITATION PERSISTS. INGESTION-GIVE WATER, INDUCE VOMITING, GET IMMEDIATE MEDICAL ATTENTION.

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**SAFE HANDLING PROCEDURES**

HYGIENIC PRACTICES: WASH AFTER HANDLING, AVOID PROLONGED SKIN CONTACT.

SPECIAL PROTECTIVE MEASURES FOR REPAIR/MAINTENANCE OF CONTAMINATED EQUIPMENT:  
FOLLOW ALL NORMAL USE PRECAUTIONS.

SPILL HANDLING/CLEAN-UP: CONTAIN SPILL, COLLECT OR ABSORB, RINSE SMALL SPILLS WITH WATER. USE APPROPRIATE PROTECTIVE EQUIPMENT TO PREVENT UNNECESSARY CONTACT DURING CLEANUP.

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**CONTROL MEASURES**

RECOMMENDED ENGINEERING CONTROLS: NONE REQUIRED FOR NORMAL USE. IF USE GENERATES MIST OR VAPORS, LOCAL EXHAUST VENTILATION SHOULD BE USED TO CONTROL EXPOSURE.

RECOMMENDED WORK PRACTICES: KEEP CONTAINERS CLOSED WHEN NOT IN USE, WASH AFTER USE.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT: NONE

RESPIRATORY PROTECTION: NONE NORMALLY REQUIRED

GLOVES: IMPERVIOUS GLOVES MAY BE USED

EYE PROTECTION: SAFETY GLASSES RECOMMENDED, DO NOT WEAR CONTACT LENSES WHEN WORKING WITH THIS OR ANY OTHER CHEMICAL.

OTHER: EYE WASH

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COMMENTS: FOR INDUSTRIAL / COMMERCIAL USE ONLY

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**REGULATORY STATUS**

TSCA - ALL INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY

THE FOLLOWING CHEMICAL INGREDIENTS ARE REGULATED UNDER PROPOSITION 65 OF THE STATE OF CALIFORNIA

NONE

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372 (SARA 313 - TOXIC CHEMICAL RELEASE REPORTING.)

NONE

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DATE PREPARED/UPDATED: FEBRUARY 13, 2003  
PREPARED BY: CLARK KING, EXEC. V.P., KIWO INC.