

OCT 20 2000  
KAWOONPRE

KIWO ON-PRESS CLEANER

**MATERIAL SAFETY DATA SHEET**

PRODUCT IDENTITY / TRADE NAME: KIWO ON-PRESS CLEANER

MANUFACTURER: KIWO, INC.

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

INFORMATION TELEPHONE NUMBER: 281-474-9777

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HAZARDOUS INGREDIENTS:	%RANGE	CAS NUMBER
NAPHTHA SOLVENT	30-50%	64742-95-6
PROPYL SERIES GLYCOL ETHER	10-30%	1569-01-3
METHOXYPROPANOL ACETATE	20-40%	108-65-6

BOILING POINT: 250-330° F                      VAPOR PRESSURE: 2 MM HG  
SOLUBILITY: INSOLUBLE IN WATER      DENSITY: 0.908 G/CM2  
APPEARANCE AND ODOR: COLORLESS LIQUID, LIGHT ESTER ODOR

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**PHYSICAL HAZARD DATA:**

COMPRESSED GAS: NO                      PYROPHORIC: NO      OXIDIZER: NO  
ORGANIC PEROXIDE: NO      FLAMMABLE/COMBUSTIBLE: YES  
FLASH POINT: 105°F (42°C)  
EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, FOAM, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES: WEAR SCBA AND FULL PROTECTIVE EQUIPMENT.  
COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

EXPLOSIVE: YES                      LEL: 1.9 %                      UEL: 12.0%

REACTIVITY/INCOMPATIBILITY: STRONG OXIDIZING AGENTS, STRONG ACIDS AND ALKALIES.

HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION PRODUCTS CAN INCLUDE CO, CO2, VARIOUS HYDROCARBONS

SPECIAL STORAGE PRECAUTIONS: KEEP CONTAINERS CLOSED. STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM HEAR OR SOURCES OF IGNITION AND INCOMPATIBLE MATERIALS.

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**HEALTH HAZARD DATA**

ACUTE EFFECTS OF OVEREXPOSURE: IRRITATION OF EYES, SKIN, MUCOUS MEMBRANES.

CHRONIC EFFECTS OF OVEREXPOSURE: NONE KNOWN

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: EXISTING DERMATITIS MAY BE AGGRAVATED.

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

LISTED CARCINOGEN: NO

EXPOSURE LIMITS:

FIRST AID: EYES-FLUSH WITH WATER 15 MINUTES, SEE PHYSICIAN. SKIN-WASH WITH SOAP AND WATER, REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE RE-USE. INHALATION-REMOVE TO FRESH AIR, GIVE ARTIFICIAL RESPIRATION IF NEEDED. INGESTION- DRINK LOTS OF WATER, GET IMMEDIATE MEDICAL ATTENTION.

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#### SAFE HANDLING PROCEDURES

HYGIENIC PRACTICES: NORMAL GOOD HOUSEKEEPING, WASH WELL AFTER USE.

SPECIAL PROTECTIVE MEASURES DURING REPAIR/MAINTENANCE OF CONTAMINATED EQUIPMENT: ADDITIONAL PROTECTIVE CLOTHING AND/OR RESPIRATORY PROTECTION MAY BE NEEDED TO PREVENT OVER-EXPOSURE.

SPILL HANDLING/CLEAN-UP: REMOVE ALL SOURCES OF IGNITION, VENTILATE, CONTAIN SPILL, DON APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT. ABSORB, PICK UP AND PLACE IN CONTAINERS FOR DISPOSAL. KEEP ALL SOURCES OF IGNITION AWAY UNTIL ALL VAPORS HAVE DISSIPATED.

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#### CONTROL MEASURES

RECOMMENDED ENGINEERING CONTROLS: GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT (APPROXIMATELY 10 AIR CHANGES PER HOUR)

RECOMMENDED WORK PRACTICES: KEEP CONTAINERS CLOSED WHEN NOT IN USE. NO SMOKING OR IGNITION SOURCES IN USE AREAS.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: RESPIRATOR SELECTION DEPENDS ON CONTAMINANT TYPES AND FORM. IF NEEDED, CONSULT AN INDUSTRIAL HYGIENIST FOR ASSISTANCE IN SELECTION AND USE.

GLOVES: GLOVES RECOMMENDED IF SKIN CONTACT IS PROLONGED.

EYE PROTECTION: CHEMICAL SAFETY GOGGLES

OTHER: EYE WASH, WASHING FACILITIES, IMPERVIOUS APRON OR OTHER CLOTHING AS NEEDED TO LIMIT SKIN CONTACT OR CLOTHING CONTAMINATION.

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COMMENTS: FOR INDUSTRIAL/COMMERCIAL USE ONLY

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REGULATORY STATUS

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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

VOC CONTENT 6.72 POUNDS/GALLON 840 GRAMS/LITER

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DATE PREPARED/UPDATED: MAY 28, 1998  
PREPARED BY: CLARK KING, EXEC.V.P., KIWO, INC.