

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY/TRADE NAME: KIWO HARDENER HP

MANUFACTURER: KIWO INC.

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

INFORMATION TELEPHONE NUMBER: 281-474-9777

HAZARDOUS DATA SECTION

HAZARDOUS INGREDIENTS	% RANGE	CAS #
ETHANEDIAL	2-22%	107-22-2

BOILING POINT: 100°C VAPOR PRESSURE: UNKNOWN

SOLUBILITY: 100% IN WATER SPECIFIC GRAVITY: 1.03 G/CM 3

APPEARANCE AND ODOR: LIQUID, VIOLET COLOR, UNSPECIFIC ODOR

PHYSICAL HAZARD DATA

COMPRESSED GAS: NO PYROPHORIC: NO OXIDIZER: NO

ORGANIC PEROXIDE: NO FLAMMABLE/COMBUSTIBLE: NO FLASH POINT: N/A

EXTINGUISHING MEDIA: NON-COMBUSTIBLE

SPECIAL FIREFIGHTING PROCEDURES: N/A EXPLOSIVE: NO

REACTIVITY/INCOMPATIBILITY: UNKNOWN

HAZARDOUS DECOMPOSITION PRODUCTS: UNKNOWN

SPECIAL STORAGE PRECAUTIONS: NONE

HEALTH HAZARD DATA

ACUTE EFFECTS OF OVEREXPOSURE: IRRITATION OF EYE, SKIN, AND MUCOUS MEMBRANES. MODERATELY TOXIC BY INGESTION AND INHALATION. INGESTION CAUSES VIOLENT VOMITING.

CHRONIC EFFECTS OF OVEREXPOSURE: NONE REPORTED IN THE CURRENT LITERATURE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE KNOWN

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

LISTED CARCINOGEN: NO EXPOSURE LIMITS: NONE ESTABLISHED

FIRST AID: EYE-FLUSH WITH PLENTY OF WATER 15 MINUTES, THEN SEE A PHYSICIAN. SKIN-FLUSH WITH PLENTY OF WATER. INHALATION-REMOVE TO FRESH AIR, CONSULT A PHYSICIAN. INGESTION-INDUCE VOMITING, GET IMMEDIATE MEDICAL ATTENTION.

SAFE HANDLING PROCEDURES

HYGIENIC PRACTICES: WASH THOROUGHLY AFTER HANDLING. AVOID CONTACT AND CREATING MIST.

SPECIAL PROTECTIVE MEASURES DURING REPAIR/MAINTENANCE OF CONTAMINATED EQUIPMENT: FOLLOW ALL SAFETY PRECAUTIONS LISTED ON MSDS.

SPILL HANDLING/CLEAN-UP: CONTAIN, ABSORB ON INERT ABSORBANT AND PLACE IN CONTAINER FOR DISPOSAL.

CONTROL MEASURES

RECOMMENDED ENGINEERING CONTROLS: NONE REQUIRED FOR NORMAL USE. IF A MIST OR AEROSOL IS GENERATED, LOCAL EXHAUST VENTILATION MAY BE NEEDED.

RECOMMENDED WORK PRACTICES: KEEP CONTAINERS CLOSED WHEN NOT IN USE. AVOID CREATING/BREATHING MIST.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: RESPIRATOR SELECTION DEPENDS ON CONTAMINANT TYPE AND FORM. CONSULT AN INDUSTRIAL HYGIENIST OR OTHER OCCUPATIONAL HEALTH PROFESSIONAL FOR ASSISTANCE IN SELECTION OR USE.

GLOVES: RECOMMENDED-CONSULT SAFETY EQUIPMENT SUPPLIER ON SPECIFIC TYPE

EYE PROTECTION: CHEMICAL SAFETY GOGGLES OR FACE SHIELD

OTHER: EYE WASH NEARBY

COMMENTS: FOR INDUSTRIAL/COMMERCIAL USE ONLY

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

VOC'S 48 GRAMS/LITER 0.39 LBS/GALLON

DATE PREPARED/UPDATED: APRIL 25, 2001

PREPARED BY: CLARK KING, EXEC. V.P., KIWO INC