

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY/TRADE NAME: KIWOTHERM L 110
 FORMERLY: (MECOTHERM 3063VP , MECOTHERM L110 AND MECOTHERM L147)

MANUFACTURER: KISSEL & WOLF, POB 1326, D6908 WIESLOCH, WEST GERMANY

IMPORTER: KIWO, INC.

ADDRESS: 1929 MARVIN CIRCLE, POB 1009, SEABROOK, TX 77586

INFORMATION TELEPHONE NUMBER: 281-474-9777

HAZARD DATA SECTION

HAZARDOUS INGREDIENTS	%RANGE	CAS #
METHOXYPROPANOL	60-80%	108-65-6
NONHAZARDOUS RESIN	20-40%	NOT AVAILABLE

BOILING POINT: APPROX.135°C VAPOR PRESSURE: 3.7 mm Hg @ 20°C

SOLUBILITY: INSOLUBLE IN WATER

SPECIFIC GRAVITY: 0.974

APPEARANCE AND ODOR: TRANSPARENT TO CLOUDY LIQUID, MILD ODOR

PHYSICAL HAZARD DATA

COMPRESSED GAS: NO PYROPHORIC: NO

OXIDIZER: NO ORGANIC PEROXIDE: NO

FLAMMABLE/COMBUSTIBLE: YES FLASH POINT: 108øF

EXTINGUISHING MEDIA: DRY CHEMICAL, CO2, WATER SPRAY, ALCOHOL FOAM.

SPECIAL FIREFIGHTING PROCEDURES: FIREFIGHTERS SHOULD USE SCBA FOR FIGHTING FIRES IN ENCLOSED AREAS, KEEP EXPOSED CONTAINERS COOL, WEAR FULL PROTECTIVE CLOTHING.

EXPLOSIVE: YES LEL: 1.5 % UEL: 7.0 %

REACTIVITY/INCOMPATIBILITY: STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2, VARIOUS HYDROCARBONS

SPECIAL STORAGE PRECAUTIONS: KEEP TIGHTLY CLOSED IN A COOL, WELL VENTILATED AREA. STORE AS AN OSHA FLAMMABLE LIQUID.

HEALTH HAZARD DATA

ACUTE EFFECTS OF OVEREXPOSURE: VAPORS MAY CAUSE IRRITATION OF EYES, NOSE, AND THROAT, LIQUID CONTACT MAY BE IRRITATING TO THE EYES AND (ON EXTENDED EXPOSURE) SKIN. INHALATION OF VAPOR MAY CAUSE HEADACHE, DIZZINESS, DROWSINESS, NAUSEA.

CHRONIC EFFECTS OF OVEREXPOSURE: REPEATED /PROLONGED SKIN EXPOSURE MAY CAUSE DEFATTING OF THE SKIN RESULTING IN DERMATITIS.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: EXISTING DERMATITIS

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

LISTED CARCINOGEN: NO

EXPOSURE LIMITS	OSHA PEL	ACGIH TLV
NONE ESTABLISHED		

FIRST AID: EYES -FLUSH WITH WATER FOR 15 MINUTES, SEE PHYSICIAN. SKIN-REMOVE ALL CONTAMINATED CLOTHING, WASH EXPOSED SKIN WELL WITH SOAP AND WATER, LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE. SEE A PHYSICIAN IF IRRITATION PERSISTS. INHALATION- REMOVE VICTIM TO FRESH AIR, OBTAIN MEDICAL ASSISTANCE. INGESTION-DO NOT INDUCE VOMITING, GET IMMEDIATE MEDICAL ATTENTION.

SAFE HANDLING PROCEDURES

HYGIENIC PRACTICES: WASH THOROUGHLY AFTER USE, DO NOT WEAR CONTAMINATED CLOTHING.

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

SPILL HANDLING/CLEAN-UP: REMOVE ALL SOURCES OF IGNITION, STOP LEAK IF YOU CAN DO WITHOUT RISK. USE APPROPRIATE PROTECTIVE EQUIPMENT INCLUDING SCBA WHERE NEEDED. ABSORB SPILL WITH NON-COMBUSTIBLE ABSORBANT, PLACE IN CONTAINERS FOR DISPOSAL. KEEP IGNITION SOURCES AWAY UNTIL ALL VAPORS HAVE DISSIPATED.

CONTROL MEASURES

RECOMMENDED ENGINEERING CONTROLS: USE LOCAL EXHAUST OR GENERAL VENTILATION TO KEEP EXPOSURE LEVELS BELOW LIMITS.

RECOMMENDED WORK PRACTICES: KEEP CONTAINERS CLOSED WHEN NOT IN USE, NO SMOKING, KEEP AWAY FROM SOURCES OF IGNITION.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: IF EXPOSURE LIMITS ARE EXCEEDED, RESPIRATORY PROTECTION MAY BE NEEDED. EQUIPMENT SELECTION DEPENDS ON CONTAMINANT TYPE, CONCENTRATION, AND FORM. CONSULT AN INDUSTRIAL HYGIENIST FOR ASSISTANCE IN SELECTION AND USE.

GLOVES: PVC, NITRILE, OR OTHER IMPERVIOUS GLOVES AS NEEDED TO PREVENT SKIN CONTACT.

EYE PROTECTION: SAFETY GOGGLES RECOMMENDED

OTHER: EYE WASH, IMPERVIOUS APRON IF NEEDED.

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 797 G/L 6.63 LBS/GAL

COMMENTS: FOR INDUSTRIAL / COMMERCIAL USE ONLY

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