

MATERIAL SAFETY DATA SHEET

 PRODUCT IDENTITY/TRADE NAME: ESTELAN B700-05

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

IMPORTER: KIWO, INC.

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

 INFORMATION TELEPHONE NUMBER: 281-474-9777

HAZARD DATA SECTION

HAZARDOUS INGREDIENTS	%RANGE	CAS NUMBER
VINYL CHLORIDE/VINYLAACETATE COPOLYMER	1-21	NOT AVAILABLE
LINEAR POLYESTER	1-21	NOT AVAILABLE
METHOXYPROPYL ACETATE	5-25	108-65-6
XYLENE	10-30	1330-20-7
METHYL ISOBUTYL KETONE	2-22	108-10-1
ETHYL ACETATE	2-22	141-78-6
PHTHALOCYANINE PIGMENT	1-21	574-93-6
TITANIUM DIOXIDE	1-21	13463-67-7

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

SOLUBILITY: INSOLUBLE IN WATER DENSITY: 1.12 G/CM3

 APPEARANCE AND ODOR: VARIOUS COLORS, (BLUE MOST COMMON), ESTER-LIKE ODOR

PHYSICAL HAZARD DATA

COMPRESSED GAS: NO PYROPHORIC: NO OXIDIZER: NO

ORGANIC PEROXIDE: NO FLAMMABLE/COMBUSTIBLE: YES

FLASH POINT: 75°F (24°C) EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, FOAM

SPECIAL FIREFIGHTING PROCEDURES: KEEP FIRE EXPOSED CONTAINERS COOL. USE SCBA AND FULL PROTECTIVE CLOTHING FOR FIRE FIGHTING.

EXPLOSIVE: YES LEL: 1.2% UEL: 7%

REACTIVITY/INCOMPATIBILITY: STRONG OXIDIZING AGENTS, AVOID HEAT, SPARKS, AND OTHER SOURCES OF IGNITION, AVOID METAL HYDROXIDES.

HAZARDOUS DECOMPOSITION PRODUCTS: NOT KNOWN, PROBABLY CO, CO2, POSSIBLE CHLORINE CONTAINING GASES.

 SPECIAL STORAGE PRECAUTIONS: STORE AS A FLAMMABLE LIQUID IN ACCORDANCE WITH OSHA REGULATIONS IN A COOL WELL-VENTILATED AREA AWAY FROM ALL SOURCES OF IGNITION.

HEALTH HAZARD DATA

ACUTE EFFECTS OF OVEREXPOSURE: IRRITATING TO EYES, SKIN, UPPER RESPIRATORY SYSTEM AND MUCOUS MEMBRANES. INGESTION, SKIN ABSORPTION OR INHALATION CAN CAUSE NARCOSIS, DIZZINESS, HEADACHE, NAUSEA, POSSIBLE UNCONSCIOUSNESS. ASPIRATION OF EVEN A SMALL AMOUNT INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONIA, EDEMA, EVEN DEATH.

CHRONIC EFFECTS OF OVEREXPOSURE: LONG TERM OVER-EXPOSURE HAS BEEN ASSOCIATED WITH INJURY TO BONE MARROW, BLOOD CELLS, KIDNEY, LIVER, NERVOUS SYSTEM AND TESTES. PROLONGED OR REPEATED SKIN CONTACT WITH THE SKIN CAN CAUSE DERMATITIS.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: LIVER, KIDNEY, BLOOD DISEASES MAY BE AGGRAVATED BY EXPOSURE. PREGNANT WOMEN AND WOMEN OF CHILDBEARING POTENTIAL SHOULD HAVE EXPOSURE EXTREMELY LIMITED. PRIMARY ROUTE(S) OF EXPOSURE: EYE, SKIN, INHALATION, ABSORBED THROUGH THE INTACT SKIN.

LISTED CARCINOGEN: NO

EXPOSURE LIMITS:	METHOXYPROPYL ACETATE	XYLENE
OSHA PEL:	NOT ESTABLISHED	100 PPM
ACGIH TLV:	NOT ESTABLISHED	100 PPM

EXPOSURE LIMITS:	METHYL ISOBUTYL KETONE	ETHYL ACETATE
OSHA PEL:	100 PPM	400 PPM
ACGIH TLV:	50 PPM	400 PPM

FIRST AID: EYE-FLUSH WITH WATER 15 MINUTES, SEE PHYSICIAN. SKIN-WASH WELL WITH SOAP AND WATER, REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE RE-USE, SEE PHYSICIAN IF IRRITATION PERSISTS. INHALATION-REMOVE TO FRESH AIR, CONTACT PHYSICIAN. INGESTION-DO NOT INDUCE VOMITING, GET IMMEDIATE MEDICAL ATTENTION.

SAFE HANDLING PROCEDURES

HYGIENIC PRACTICES: AVOID ALL SKIN CONTACT. DO NOT WEAR CONTAMINATED CLOTHING. WASH IMMEDIATELY AFTER HANDLING.

SPECIAL PROTECTIVE MEASURES DURING REPAIR/MAINTENANCE OF CONTAMINATED EQUIPMENT: USE ALL RECOMMENDED PROTECTIVE CLOTHING AND EQUIPMENT. RESPIRATORY PROTECTION MAY BE REQUIRED. SUPPLIED AIR FOR UNKNOWN CONCENTRATIONS.

SPILL HANDLING/CLEAN-UP: REMOVE ALL SOURCES OF IGNITION, VENTILATE, CONTAIN SPILL, DON APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT. DO NOT DISCHARGE TO NATURAL WATERS OR SEWERS. ABSORB OR COLLECT FOR DISPOSAL. KEEP IGNITION SOURCES AWAY UNTIL ALL VAPORS HAVE DISSIPATED.

CONTROL MEASURES

RECOMMENDED ENGINEERING CONTROLS: LOCAL EXHAUST VENTILATION AS NEEDED TO MAINTAIN EXPOSURE LEVELS BELOW THE MIXTURE TLV.

RECOMMENDED WORK PRACTICES: DO NOT BREATHE VAPORS OR MISTS. USE WITH ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, FLAME, SPARKS, ETC. KEEP CONTAINERS CLOSED. NO SMOKING IN STORAGE OR USE AREA. RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT: RESPIRATORY PROTECTION: RESPIRATORS MAY BE NEEDED- SELECTION DEPENDS ON CONTAMINANT AND CONCENTRATION. CONSULT INDUSTRIAL HYGIENIST FOR ASSISTANCE IN SELECTION AND USE. SUPPLIED AIR RESPIRATOR REQUIRED FOR LARGE SPILLS OR SPILLS/USE IN CONFINED AREAS. GLOVES: IMPERVIOUS GLOVES REQUIRED EYE PROTECTION: CHEMICAL GOGGLES OTHER: IMPERVIOUS CLOTHING AS NEEDED TO PREVENT SKIN CONTACT. EYE WASH, SAFETY SHOWER.

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.)

	%	CAS #
XYLENE	<30	1330-20-7
METHYL ISOBUTYL KETONE	<22	108-10-1
TITANIUM DIOXIDE	<21	13463-67-7

VOC'S 581 G/LITER 4.84 LBS/GALLON

COMMENTS: FOR INDUSTRIAL/COMMERCIAL USE ONLY

DATE PREPARED/UPDATED: JUNE 30, 2000
 PREPARED BY: CLARK KING, EXEC. V.P., KIWO, INC.