

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY/TRADE NAME: PREGAN 1014 E

MANUFACTURER: KIWO, INC.

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

INFORMATION TELEPHONE NUMBER: 281-474-9777

HAZARD DATA SECTION

HAZARDOUS INGREDIENTS	%RANGE	CAS #
GLYCOL ETHER	25-45%	111-46-6
NAPHTHA SOLVENT	40-60%	64742-95-6
METHYL ISOBUTYL KETONE	1-21%	591-78-6
EMULSIFIERS	4-24%	UNKNOWN

BOILING POINT: UNKNOWN VAPOR PRESSURE: UNKNOWN

SOLUBILITY: SOLUBLE IN WATER

SPECIFIC GRAVITY: 0.90

APPEARANCE AND ODOR: SLIGHTLY ORANGE COLORED LIQUID, SOLVENT ODOR

PHYSICAL HAZARD DATA

COMPRESSED GAS: NO PYROPHORIC: NO

OXIDIZER: NO ORGANIC PEROXIDE: NO

FLAMMABLE/COMBUSTIBLE: YES FLASH POINT: 36°C

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: UNKNOWN UEL: UNKNOWN

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 IS IRRITATING TO THE EYES AND SKIN.

INHALATION OF VAPOR

MAY CAUSE HEADACHE, DIZZINESS, DROWSINESS. CHRONIC OVEREXPOSURE TO METHYL NO-BUTYL KETONE HAS BEEN ASSOCIATED WITH THE DEVELOPMENT OF PERIPHERAL NEUROPATHY (NERVE DAMAGE) IN ANIMALS AND HUMANS.

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
NAPHTHA	100 PPM	100 PPM
METHYL BUTYL KETONE	100 PPM	5 PPM

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.)

METHYL ISOBUTYL KETONE 108-10-1 <6%

VOC'S 815 G/L 6.79 LBS/GAL

COMMENTS: FOR INDUSTRIAL / COMMERCIAL USE ONLY

DATE PREPARED/UPDATED: MARCH 7, 2001
PREPARED BY: CLARK KING, EXEC. V.P., KIWO, INC.