

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY/TRADE NAME: PREGAN PASTE

MANUFACTURER: KIWO, INC., 1929 MARVIN CIRCLE, SEABROOK, TX 77586

ADDRESS: 1929 MARVIN CIRCLE, SEABROOK, TX 77586

INFORMATION TELEPHONE NUMBER: 281-474-9777

HAZARDOUS INGREDIENTS	%RANGE	CAS NUMBER
SODIUM HYDROXIDE	15-35%	1310-73-2
WATER		
WETTING AGENTS & DETERGENTS	20-40%	NOT AVAILABLE
NATURAL POLYSACCARIDE IDENTITY PROTECTED AS TRADE SECRET		

BOILING POINT: 212øF VAPOR PRESSURE: UNKNOWN mm Hg

SOLUBILITY: COMPLETE IN WATER pH-14 SPECIFIC GRAVITY: 1.35g/cm3

APPEARANCE AND ODOR: YELLOWISH PASTE

PHYSICAL HAZARD DATA

COMPRESSED GAS: NO PYROPHORIC: NO OXIDIZER: NO

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

EXTINGUISHING MEDIA: THIS MATERIAL IS NOT COMBUSTIBLE. USE MEDIA APPROPRIATE FOR FIRE TYPE, HOWEVER USE CARE WHEN APPLYING WATER TO STRONG ALKALI.

SPECIAL FIRE FIGHTING PROCEDURES: NONE REQUIRED

EXPLOSIVE: NO LEL: N/A UEL: N/A

REACTIVITY/INCOMPATIBILITY: STRONG ACIDS, METALS

SPECIAL STORAGE PRECAUTIONS: KEEP IN ORIGINAL CONTAINER. STORE IN A DRY PLACE AND KEEP AIRTIGHT. DO NOT STORE WITH ACIDS.

HEALTH HAZARD DATA

ACUTE EFFECTS OF OVEREXPOSURE: CAUSES IRRITATION AND BURNS ON SKIN AND MUCOUS MEMBRANES. EYE CONTACT CAN CAUSE BURNS AND CORNEAL DAMAGE. INHALATION OF MIST CAN CAUSE RESPIRATORY IRRITATION.

CHRONIC EFFECTS OF OVEREXPOSURE: NONE REPORTED IN CURRENT LITERATURE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: DERMATITIS, CHRONIC RESPIRATORY CONDITIONS

PRIMARY ROUTE(S) OF EXPOSURE: SKIN, EYE, RESPIRATORY TRACT. INGESTION
LISTED CARCINOGEN: NO

EXPOSURE LIMITS:

OSHA PEL: SODIUM HYDROXIDE - 2 MG/M3
ACGIH TLV: SODIUM HYDROXIDE - 2 MG/M3 CEILING

FIRST AID: EYE-FLUSH WITH WATER 30 MINUTES THEN SEEK MEDICAL ATTENTION IMMEDIATELY. SKIN-REMOVE CONTAMINATED CLOTHING WHILE WASHING UNDER SAFETY SHOWER, WASH AREAS THOROUGHLY, SEEK MEDICAL ATTENTION. INHALATION-REMOVE TO FRESH AIR, SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST. INGESTION-DO NOT INDUCE VOMITING-GIVE WATER TO DILUTE AND SEEK IMMEDIATE MEDICAL ATTENTION.

SAFE HANDLING PROCEDURES

HYGIENIC PRACTICES: USE RECOMMENDED PROTECTIVE EQUIPMENT, AVOID CONTACT.

SPECIAL PROTECTIVE MEASURES DURING REPAIR/MAINTENANCE OF CONTAMINATED EQUIPMENT: USE RECOMMENDED PROTECTIVE EQUIPMENT, AVOID CONTACT.

SPILL HANDLING/CLEAN-UP: CONTAIN, NEUTRALIZE, THEN FLUSH TO SEWER WITH WATER.

CONTROL MEASURES

RECOMMENDED ENGINEERING CONTROLS: NONE REQUIRED FOR NORMAL USE. EYE WASH & SAFETY SHOWER SHOULD BE LOCATED NEAR AREA OF USE.

RECOMMENDED WORK PRACTICES: AVOID CREATING MIST OR SPLATTERING MATERIAL. USE PROTECTIVE CLOTHING AND AVOID CONTACT WITH MATERIAL.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: NONE USUALLY REQUIRED. A RESPIRATOR APPROVED FOR MISTS MAY BE USED IF NEEDED.

GLOVES: RUBBER GLOVES OR OTHER RECOMMENDED FOR USE WITH STRONG ALKALIS.

EYE PROTECTION: CHEMICAL SPLASH GOGGLES MUST BE USED.

OTHER: CHEMICAL PROTECTIVE APRON OR OTHER CLOTHING MAY BE USED AS NEEDED.

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.)

SODIUM HYDROXIDE 1310-73-2

VOC CONTENT - NONE

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