

MATERIAL SAFETY DATA SHEET
MERIDIAN DIAGNOSTICS, INC.
3471 RIVER HILLS DRIVE
CINCINNATI, OH 45244
(513) 271-3700
ADDITIONAL INFORMATION
SAFETY OFFICER
(513) 271-3700
DATE OF PREPARATION: 04/16/91

-IDENTIFICATION-

NAME: PARA-PAK MODIFIED-PVA FIXATIVE
SYNONYM: LOW VISCOSITY POLYVINYL ALCOHOL FIXATIVE
FORMULA: MIXTURE
CAS #: NA
EPA HAZARDOUS WASTE ID #: NA
EPA HAZARD WASTE CLASS: NA

-HAZARDOUS COMPONENTS-

COMPONENTS	%	CAS #	ACGIH TLV	HAZARD(S)
ISOPROPANOL	36%	67-63-0	400 PPM TWA	FLAMMABLE IRRITANT
ACETIC ACID	5%	64-10-7	10 PPM TWA 15 PPM STEL	COMBUSTIBLE CORROSIVE IRRITANT
POLYVINYL ALCOHOL	5%	9002-89-5	ND	CARCINOGEN

MIXTURE NOT TESTED AS A WHOLE. THE MIXTURE IS ASSUMED TO PRESENT THE SAME HEALTH HAZARDS AS DO THE COMPONENTS PRESENT AT > OR = 1.0% (0,1% FOR CARCINOGENS).

-PHYSICAL AND CHEMICAL DATA-

APPEARANCE: CLEAR BLUE-GREEN LIQUID
VAPOR PRESSURE: ND
EVAPORATION RATE: ND
PH: ND
VOLATILE COMPONENTS: 41%
SOLUBILITY IN WATER: UNLIMITED
ODOR: ALCOHOL

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-FIRE AND EXPLOSION HAZARD DATA-

FLASH POINT: ND
EXTINGUISHING MEDIA: MEDIA APPROPRIATE FOR SURROUNDING FIRE CONDITIONS.
FIRE FIGHTING PROCEDURES: WEAR SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.
FIRE HAZARDS: MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS.

-REACTIVITY DATA-

STABILITY: STABLE
INCOMPATIBILITY: STRONG OXIDIZING AGENTS, STRONG BASE

HAZARDOUS POLYMERIZATION: NO

-HEALTH HAZARD AND FIRST AID DATA-

EXPOSURE LIMITS: ND

EXPOSURE EFFECTS:

EYE: IRRITATION, BURNING SENSATION

SKIN: IRRITATION

INHALATION: COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE

INGESTION: NAUSEA, VOMITING, PAIN, DEATH

FIRST AID: OBTAIN MEDICAL ATTENTION

EYE: FLUSH WITH WATER FOR 15 MINUTES

SKIN: FLUSH WITH WATER FOR 15 MINUTES

INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION.

INGESTION: ADMINISTER 4 GLASSES OF WATER INDUCE VOMITING BY TOUCHING BACK OF THROAT WITH FINGER.

-HANDLING AND STORAGE-

WEAR CHEMICAL SAFETY GOGGLES, CHEMICAL RESISTANT GLOVES AND PROTECTIVE CLOTHING. USE OSHA APPROVED RESPIRATOR IF TLV EXCEEDED. GENERAL MECHANICAL VENTILATION IS USUALLY ADEQUATE UNDER NORMAL USE. DO NOT EXCEED TLV. CONTAINERS POTENTIALLY HAZARDOUS WHEN EMPTY. DO NOT REUSE.

-SPILL AND DISPOSAL PROCEDURES-

SPILL: ABSORB ON PAPER, VERMICULITE, ETC.

WASTE DISPOSAL: CONSULT FEDERAL, STATE AND LOCAL REGULATIONS.

NA NOT APPLICABLE

ND NOT DETERMINED

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SAFETY OFFICER

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DATE OF PREPARATION: 4/11/90

-IDENTIFICATION-

NAME: PARA-PAK BUFFERED 10% FORMALIN FIXATIVE

FORMULA: MIXTURE

CAS #:

EPA HAZARDOUS WASTE ID #: FORMALDEHYDE U122

EPA HAZARD WASTE CLASS: FORMALDEHYDE T-TOXIC WASTE

-HAZARDOUS COMPONENTS-

COMPONENTS	%	CAS #	ACGIH TLV	HAZARD(S)
FORMALDEHYDE	4	50-00-0	2 PPM TWA 1 PPM PEL	COMBUSTIBLE CORROSIVE IRRITANT SENSITIZER CARCINOGEN TOXIC
METHYL ALCOHOL	1	67-56-1	200 PPM TWA	FLAMMABLE IRRITANT TOXIC

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-PHYSICAL AND CHEMICAL DATA-

APPEARANCE: COLORLESS LIQUID
VAPOR PRESSURE: ND
EVAPORATION RATE: ND
PH: 7.00 + OR - 0.2
VOLATILE COMPONENTS: ND
SOLUBILITY IN WATER: UNLIMITED
ODOR: PUNGENT

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FIRE HAZARDS: MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS.

-REACTIVITY DATA-

STABILITY: STABLE
INCOMPATIBILITY: STRONG OXIDIZING AGENTS, STRONG BASES
HAZARDOUS POLYMERIZATION: NONE

-HEALTH HAZARD AND FIRST AID DATA-

EXPOSURE LIMITS: ND

EXPOSURE EFFECTS:
EYE: IRRITANT
SKIN: IRRITANT
INHALATION: HEADACHE, UNCONSCIOUSNESS
INGESTION: NAUSEA, VOMITING

FIRST AID: OBTAIN MEDICAL ATTENTION
EYE: FLUSH WITH WATER FOR 15 MINUTES
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