

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: 08/23/95

-IDENTIFICATION-

NAME: PARA-PAK LV-PVA FIXATIVE CATALOG #S: 900112, 300112, 300312, 300612,
310112, 340060, 330110, 330210,
380112, 338112, 400212
PARA-PAK PLUS LV-PVA CATALOG #: 350160
PVA CONTROL SET CATALOG #: 801100

SYNONYM: LOW VISCOSITY POLYVINYL ALCOHOL FIXATIVE
FORMULA: MIXTURE
CAS #: NA
EPA HAZARDOUS WASTE ID #: MERCURY 0009
EPA HAZARD WASTE CLASS: MERCURIC CHLORIDE; EP TOXIC WASTE (E)

-HAZARDOUS COMPONENTS-

COMPONENTS	%	CAS #	ACGIH TLV	HAZARD(S)
ISOPROPANOL	28%	67-63-0	400 PPM TWA	FLAMMABLE IRRITANT
ACETIC ACID	5%	64-19-7	10 PPM TWA 15 PPM STEL	COMBUSTIBLE CORROSIVE IRRITANT
POLYVINYL ALCOHOL	5%	9002-89-5	ND	IRRITANT
MERCURIC CHLORIDE	3.4%	7487-94-7	100 MG/M3 (SKIN) TWA	HIGHLY TOXIC CORROSIVE

MIXTURE NOT TESTED AS A WHOLE. THE MIXTURE IS ASSUMED TO PRESENT THE SAME HEALTH HAZARDS AS DO THE COMPONENTS PRESENT AT >= 1.0% (0.1% FOR CARCINOGENS).

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-PHYSICAL AND CHEMICAL DATA-

APPEARANCE: COLORLESS LIQUID
VAPOR PRESSURE: ND
EVAPORATION RATE: ND
PH: ND
VOLATILE COMPONENTS: Y
SOLUBILITY IN WATER: UNLIMITED
ODOR: ALCOHOL
-FIRE AND EXPLOSION HAZARD DATA-

FLASH POINT: 77 F

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: CONTACT PHYSICIAN IMMEDIATELY TO OBTAIN APPROPRIATE
EMERGENCY TREATMENT.

-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.

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-SPILL AND DISPOSAL PROCEDURES-

SPILL: ABSORB ON PAPER, VERMICULITE, ETC.
WASTE DISPOSAL: CONSULT FEDERAL, STATE AND LOCAL REGULATIONS.

NA NOT APPLICABLE
ND NOT DETERMINED.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE
ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. MERIDIAN DIAGNOSTICS SHALL
NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT
WITH THE ABOVE PRODUCT.

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3471 RIVER HILLS DRIVE
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ADDITIONAL INFORMATION
SAFETY OFFICER
(513) 271-3700
DATE OF PREPARATION: 05/15/95

-IDENTIFICATION-

NAME: PARA-PAK BUFFERED 10% FORMALIN FIXATIVE

CATALOG #S: 900412, 300112, 300812, 301012, 310112, 340060,
340812, 330110, 330210, 330410, 330810, 331010,
341060

PARA-PAK PLUS 10% FORMALIN CATALOG #: 350160, 950450, 351060

PARA-PAK ULTRA 10% FORMALIN CATALOG #: 980412, 380112, 381012

FEKAL BUFFERED 10% NEUTRAL FORMALIN CATALOG #: FK1112

MICROSPORIDIUM CONTROL SET CATALOG #: 800600

FORMULA: MIXTURE
CAS #: NA
EPA HAZARDOUS WASTE ID #: FORMALDEHYDE
EPA HAZARD WASTE CLASS: FORMALDEHYDE T-TOXIC WASTE

-HAZARDOUS COMPONENTS-

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

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-PHYSICAL AND CHEMICAL DATA-

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

-FIRE AND EXPLOSION HAZARD DATA-

FLASH POINT: >200 F
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 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, 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: CALL A PHYSICIAN IMMEDIATELY TO DETERMINE APPROPRIATE TREATMENT.

-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.

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