

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: 02/22/94

-IDENTIFICATION-

NAME: PARA-PAK MF CATALOG #: 900712, 990712, 300612
FEKAL MF CATALOG #: FK1412, FK14A2

FORMULA: MIXTURE
CAS #: NA
EPA HAZARDOUS WASTE ID #: MERCURY 0009
EPA HAZARD WASTE CLASS: THIMEROSAL; EP TOXIC WASTE (E)

-HAZARDOUS COMPONENTS-

COMPONENTS	%	CAS #	ACGIH TLV	HAZARD(S)
FORMALDEHYDE	2.41	50-00-0	2 PPM 1 PPM	CARCINOGEN CORROSIVE IRRITANT COMBUSTIBLE SENSITIZER TOXIC
ETHANOL	18.4	64-17-5	1000 PPM	FLAMMABLE IRRITANT

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).

-PHYSICAL AND CHEMICAL DATA-

APPEARANCE: COLORLESS LIQUID
VAPOR PRESSURE: ND
EVAPORATION RATE: ND
PH: ND
VOLATILE COMPONENTS: ND
SOLUBILITY IN WATER: UNLIMITED
ODOR: ALCOHOL

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-FIRE AND EXPLOSION HAZARD DATA-

FLASH POINT: 188 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: NO

-HEALTH HAZARD AND FIRST AID DATA-

EXPOSURE LIMITS: ND
EXPOSURE EFFECTS:
EYE: IRRITANT, TEARING, EYE DAMAGE, BURNING
SKIN: IRRITANT
INHALATION: COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE
INGESTION: NAUSEA, VOMITING, COLLAPSE & UNCONSCIOUSNESS

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 AND 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

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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-IDENTIFICATION-

NAME: PARA PAK LUGOL'S IODINE CATALOG#: 261504, 261508
FEKAL IODINE AMPULES CATALOG#: FK142A2, FK5305

FORMULA: MIXTURE
CAS #: NA
EPA HAZARDOUS WASTE ID #: NONE
EPA HAZARD WASTE CLASS: NONE

-HAZARDOUS COMPONENTS-

COMPONENTS	%	CAS #	ACGIH TLV	HAZARD(S)
POTASSIUM IODINE	10	7681-11-0	ND	IRRITANT
IODINE	5	7553-56-2	100 PPB	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).

-PHYSICAL AND CHEMICAL DATA-

APPEARANCE: REDDISH BROWN LIQUID
VAPOR PRESSURE: ND
EVAPORATION RATE: ND
PH: ND
VOLATILE COMPONENTS: ND
SOLUBILITY IN WATER: UNLIMITED
ODOR: MILD

-FIRE AND EXPLOSION HAZARD DATA-

FLASH POINT: ND
EXTINGUISHING MEDIA: MEDIA APPROPRIATE FOR SURROUNDING FIRE CONDITIONS.
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PROTECTIVE CLOTHING.
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-REACTIVITY DATA-

STABILITY: STABLE
INCOMPATIBILITY: STRONG REDUCING AGENTS AND STRONG ACIDS, ACETALDEHYDE,
METALS.
HAZARDOUS POLYMERIZATION: NONE

-HEALTH HAZARD AND FIRST AID DATA-

EXPOSURE LIMITS: ND
EXPOSURE EFFECTS:
EYE: CORROSIVE, SEVERE LACHRYMATOR
SKIN: CORROSIVE
INHALATION: SPASM, INFLAMMATION AND EDEMA OF LARYNX AND BRONCHI, CHEMICAL,
PNEUMONITIS, PULMONARY EDEMA, BURNING SENSATION, COUGHING, WHEEZING,
LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, VOMITING, NAUSEA, DEATH
INGESTION: CORROSIVE, STOMACH PAINS, NAUSEA, VOMITING, DIARRHEA
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 STOPS GIVE ARTIFICIAL
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INGESTION: ADMINISTER 4 GLASSES OF WATER AND INDUCE VOMITING BY TOUCHING
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