


LYNN PEAVEY COMPANY

MATERIAL SAFETY DATA SHEET				
PRODUCT 901/7601 Mayer's Reagent		 INCORPORATED <small>P.O. BOX 180 SO. PARIS, MAINE 04281 USA TEL: 207-743-7712 FAX 207-743-5000</small>		
SECTION 1 - IDENTITY				
Name		Address		
ODV, Inc.		P.O. Box 180, 9 Swallow Road, S. Paris, ME 04281		
Telephone Number	207-743-7712	For Additional Information Contact:	Date Prepared	
		Larry Dow	February 1, 2002	
Common name (used on Label) 901 or 7601 Mayer's Reagent				
Trade name & Synonyms		Chemical Family		
NarcoPouch® Narcotest®		Does Not Apply		
Chemical Name		Formula		
Does Not Apply		Does Not Apply		
SECTION 2 - HAZARDOUS INGREDIENTS				
HAZARDOUS COMPONENT	CAS #	% (wt)	TLV	PEL
Potassium tri-iodomercurate aqueous solution as follows:				
Mercuric chloride	7487-94-7	1%	0.05mg / m³	0.05mg / m³
Potassium iodide	7681-11-0	2%	No TVL	No PEL
<small>PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration TLV: Threshold limit Value established by the American Conference of Governmental Industrial Hygienists, 1987-88.</small>				
SECTION 3 - PHYSICAL DATA				
BOILING POINT		SPECIFIC GRAVITY (H ₂ O = 1)		VAPOR PRESSURE (mm Hg)
Not determined		Not determined		NA
PERCENT VOLATILE BY VOLUME	VAPOR DENSITY (AIR = 1)	EVAPORATION RATE		
Not determined	Not determined	Not determined		
SOLUBILITY IN WATER	REACTIVITY IN WATER			
100%	None			
APPEARANCE AND ODOR Clear colorless liquid				
SECTION 4 - FIRE AND EXPLOSION DATA				
FLASH POINT		FLAMMABLE LIMITS IN AIR (% By Volume)		
none		LOWER: NA UPPER: NA		
EXTINGUISHING MEDIA		AUTO IGNITION TEMPERATURE		
not flammable - aqueous solution		not applicable		
UNUSUAL FIRE AND EXPLOSION HAZARDS Mercury vapors emitted in fire conditions.				
SPECIAL FIRE FIGHTING PROCEDURES Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.				

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SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE		Inhalation, contact with eyes or skin, ingestion.	
SIGNS AND SYMPTOMS OF EXPOSURE		Mercuric compounds may cause headache, coughing, dizziness or difficulty breathing. Inhalation and ingestion are harmful and may be fatal. LD ₅₀ in mice for potassium iodide is 1863 mg/kg and 40 mg/kg for Mercuric iodide.	
(1) ACUTE OVEREXPOSURE -		Note: At this concentration the solution is used medically as a topical antiseptic, disinfectant.	
(2) CHRONIC OVEREXPOSURE -		Repeated or prolonged exposure to dilute solution may cause iodism. Hypersensitivity to iodides may develop characterized by skin rash, rhinitis, asthma, lymph node enlargement.	
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Impaired pulmonary function, pre-existing eye problems, pre-existing skin disorders may be aggravated by exposure.			
CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN none		NTP <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	IARC <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
OTHER EXPOSURE LIMITS		OSHA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
EMERGENCY & FIRST AID PROCEDURES If conscious, induce vomiting and repeat until fluid is clear. In cases of eye contact (any component), flush with water at least 15 minutes. For skin contact, flood with tap water. Call a physician.			

SECTION 6 - REACTIVITY DATA

STABILITY Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>	CONDITIONS TO AVOID Extreme temperatures over 302° C emits toxic mercury vapors
INCOMPATIBILITY (MATERIALS TO AVOID) Strong alkalis, ammonia, sulfides, sulfites, formates, hypophosphites	
HAZARDOUS DECOMPOSITION PRODUCTS Mercury vapors, and oxides of potassium and hydrogen iodide	
HAZARDOUS POLYMERIZATION May occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>	CONDITIONS TO AVOID hazardous polymerization not reported to occur

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED Minor spill: cover with vermiculite to absorb. Add water if necessary to form slurry.
WASTE DISPOSAL METHOD Dispose of wastes in accordance with Federal, State, and Local codes.

SECTION 8 - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	Respiratory protection is not required under normal uses (non fire and spill conditions).
VENTILATION	Room ventilation is expected to be adequate except during spills or fires.
PROTECTIVE GLOVES	Required when the potential of contact exists.
EYE PROTECTION	Required when the potential of contact exists.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT An eye wash fountain and safety shower should be readily available where the potential for eye contact with the reagent exists.	

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Store and handle according to packaged instructions. Store in cool, well ventilated area. Keep away from reactive materials and away from fire hazard.
OTHER PRECAUTIONS	Do not get in eyes, on skin, or on clothing. Avoid breathing vapor. Wash thoroughly after handling.

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. ODV, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.