

Mayer's Reagent, 901/7601

COPY

MATERIAL SAFETY DATA SHEET

PRODUCT
 901/7601,
 Mayer's Reagent

ODV

INCORPORATED
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SECTION 1 - IDENTITY

Name ODV, Inc.		Address P.O. Box 180, 9 Swallow Road, S. Paris, ME 04281	
Telephone Number 207-743-7712	For Additional Information Contact: Larry Dow	Date Prepared January 6, 1996	
Common name (used on Label) 901 or 7601 Mayer's Reagent			
Trade name & Synonyms NarcoPouch@ Narcotest@		Chemical Family Does Not Apply	
Chemical Name Does Not Apply		Formula Does Not Apply	

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS #	% (wt)	TLV	PEL
Potassium tri-iodomercurate aqueous solution as follows: Mercuric chloride Potassium iodide	7487-94-7 7681-11-0	1% 2%	0.05mg / m ³ No TVL	0.05mg / m ³ No PEL

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.

SECTION 3 - PHYSICAL DATA

BOILING POINT Not determined	SPECIFIC GRAVITY (H ₂ O = 1) Not determined	VAPOR PRESSURE (mm Hg) NA
PERCENT VOLATILE BY VOLUME Not determined	VAPOR DENSITY (AIR = 1) Not determined	EVAPORATION RATE Not determined
SOLUBILITY IN WATER 100%	REACTIVITY IN WATER None	
APPEARANCE AND ODOR Clear colorless liquid		

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT none	FLAMMABLE LIMITS IN AIR (% By Volume) LOWER: NA UPPER: NA
EXTINGUISHING MEDIA not flammable - aqueous solution	AUTO IGNITION TEMPERATURE 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.**

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. LD₅₀ in mice for potassium iodide is 1863 mg/kg and 40 mg/kg for Mercuric iodide.

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

Yes No

IARC

Yes No

OSHA

Yes No

OTHER EXPOSURE LIMITS

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 Stable

CONDITIONS TO AVOID

Extreme temperatures over 302° C emits toxic mercury vapors

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong alkalies, ammonia, sulfides, sulfites, formates, hypophosphites

HAZARDOUS DECOMPOSITION PRODUCTS

Mercury vapors, and oxides of potassium and hydrogen iodide

HAZARDOUS POLYMERIZATION

May occur Will not occur

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.