


LYNN PEAVEY COMPANY

MATERIAL SAFETY DATA SHEET						
PRODUCT 907 Ehrlich's Reagent		 INCORPORATED <small>P.O. BOX 180 SO. PARIS, MAINE 04261 USA</small> <small>TEL: 207-743-7712 FAX 207-743-5000</small>			6907	
SECTION 1 - IDENTITY						
Name		Address				
ODV, Inc.		P.O. Box 180, 9 Swallow Road, S. Paris, ME 04261				
Telephone Number	207-743-7712	For Additional Information Contact:	Date Prepared			
		Larry Dow	February 1, 2002			
Common name (used on Label)		907 Ehrlich's Reagent				
Trade name & Synonyms		Chemical Family				
NarcoPouch®		Does Not Apply				
Chemical Name		Formula				
Does Not Apply		Does Not Apply				
SECTION 2 - HAZARDOUS INGREDIENTS						
HAZARDOUS COMPONENT	CAS #	% (wt)	TLV	PEL		
Ethanol (denatured): 1st ampoule	unknown	>95	No TVL	No PEL		
Paradimethylaminobenzaldehyde: 1st ampoule (PDMB)	6147-53-1	5	No TVL	No PEL		
HCl (38%): 2nd ampoule	7647-01-0	100	7 mg/m³	7 mg/m³		
Phosphoric Acid (85%): 3rd ampoule	7664-38-2	100	1 mg/m³	1 mg/m³		
<small>PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration</small> <small>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)		
110° C (HCl)		1.19 (HCl)		212mm Hg @ 20° C (HCl)		
PERCENT VOLATILE BY VOLUME		VAPOR DENSITY (AIR = 1)		EVAPORATION RATE		
Not determined		1.3 (HCl)		Not determined		
SOLUBILITY IN WATER		REACTIVITY IN WATER				
100% HCl, slight PDMB, 100% Phosphoric		Not reactive				
APPEARANCE AND ODOR Clear liquid (Ethanol/PDMB) solution; Clear fuming liquid, acrid odor (HCl); colorless liquid (Phosphoric)						
SECTION 4 - FIRE AND EXPLOSION DATA						
FLASH POINT		FLAMMABLE LIMITS IN AIR (% By Volume)				
not determined		LOWER: not determined UPPER: not determined				
EXTINGUISHING MEDIA		AUTO IGNITION TEMPERATURE				
Water, neutralize (HCl) with chemically basic substance like soda ash.		not applicable				
UNUSUAL FIRE AND EXPLOSION HAZARDS HCl is highly corrosive to most metals with evolution of hydrogen gas, which is highly flammable when mixed with air.						
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		Irritation of eyes, nose and throat. Splashes in the eyes or on the skin will cause severe skin burns.	
(1) ACUTE OVEREXPOSURE -		Inhalation of acid vapors may irritate mucous membranes and respiratory tract.	
(2) CHRONIC OVEREXPOSURE -		Repeated or prolonged exposure to dilute solutions of acid may cause irritation of the skin. Repeated or prolonged exposure to mists or vapors of HCl will cause erosion of teeth, chronic irritation of the eyes, or chronic inflammation of the nose, throat, or bronchial tubes.	
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	OSHA <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
OTHER EXPOSURE LIMITS 3 mg/m ³ STEL for Phosphoric			
EMERGENCY & FIRST AID PROCEDURES If Hydrochloric acid or phosphoric acid is swallowed, if conscious give tap water, milk or milk of magnesia, give eggs beaten with water, do not give emetics. 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 Open flame or heat above 93.3° C.	
INCOMPATIBILITY (MATERIALS TO AVOID) Hydrochloric acid reacts with metals to produce hydrogen gas. Iron and aluminum are readily corroded by HCl. Toxic gases and vapors may be released when the acids (HCl and H ₃ PO ₄) decompose.			
HAZARDOUS DECOMPOSITION PRODUCTS Toxic gases and vapors may be released when the acids (HCl and H ₃ PO ₄) decompose.			
HAZARDOUS POLYMERIZATION May occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>		CONDITIONS TO AVOID Not applicable for polymerization.	
SECTION 7 - SPILL OR LEAK PROCEDURES			
STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED Minor HCl spill: cover with sodium carbonate. Add water if necessary to form slurry. Ethanol: eliminate all sources of ignition. Absorb on powdered charcoal.			
WASTE DISPOSAL METHOD Dispose of wastes in accordance with Federal, State, and Local codes.			
SECTION 8 - PERSONAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION Self-contained breathing apparatus required during fire fighting and spill clean-up or a NIOSH approved Acid Gas Respirator for minor spill clean-up.			
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. Be prepared to neutralize acids.			
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.			