


LYNN PEAVEY COMPANY

MATERIAL SAFETY DATA SHEET					
PRODUCT 908 Duquenois-Levine 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 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 February 1, 2002		
Common name (used on Label) 908 Duquenois-Levine Reagent					
Trade name & Synonyms NarcoPouch®		Chemical Family Does Not Apply			
Chemical Name Does Not Apply		Formula Does Not Apply			
SECTION 2 - HAZARDOUS INGREDIENTS					
HAZARDOUS COMPONENT		CAS #	% (wt)	TLV	PEL
Ethanol: 1st ampoule		unknown	>95	No TVL	No PEL
Vanillin: 1st ampoule		121-33-5	2	No TVL	No PEL
Acetaldehyde: 1st ampoule		75-07-0	0.2	180 mg/m³	360 mg/m³
HCl: 2nd ampoule (cap)		7647-01-0	100	7 mg/m³	7 mg/m³
Chloroform: 3rd ampoule		67-66-3	100	50 mg/m³	240 mg/m³
<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 61.26° C (Chloroform)		SPECIFIC GRAVITY (H₂O = 1) 1.49 (Chloroform) 1.19 (HCl)		VAPOR PRESSURE (mm Hg) 4.0 atm. @ 17.8° C (HCl)	
PERCENT VOLATILE BY VOLUME not determined		VAPOR DENSITY (AIR = 1) 4.12 (Chloroform), 1.3 (HCl)		EVAPORATION RATE not determined	
SOLUBILITY IN WATER 100% (HCl), slight (Chloroform)		REACTIVITY IN WATER Not determined			
APPEARANCE AND ODOR Clear fuming liquid acrid odor (HCl), colorless liquid, ethereal odor (Chloroform)					
SECTION 4 - FIRE AND EXPLOSION DATA					
FLASH POINT none		FLAMMABLE LIMITS IN AIR (% By Volume) LOWER: not applicable UPPER: not applicable			
EXTINGUISHING MEDIA water, neutralize HCl with chemically basic substance like soda ash		AUTO IGNITION TEMPERATURE not applicable			
UNUSUAL FIRE AND EXPLOSION HAZARDS					
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		NTP	IARC
Chloroform		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
OTHER EXPOSURE LIMITS		Chloroform: 2 ppm (9.78 mg/m ³) 60 minute ceiling NIOSH	
EMERGENCY & FIRST AID PROCEDURES			
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If Chloroform is swallowed, if conscious, induce vomiting and repeat until fluid is clear. If Hydrochloric 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		CONDITIONS TO AVOID	
Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>		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.			
Chloroform is incompatible with excess water and strong alkalis.			
HAZARDOUS DECOMPOSITION PRODUCTS			
Chloroform may decompose to toxic fumes of chlorides.			
HAZARDOUS POLYMERIZATION		CONDITIONS TO AVOID	
May occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>		Not determined.	
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. Chloroform: 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		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		EYE PROTECTION	
Required when the potential of contact exists.		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.			