



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Test D		DATE: April 20, 2012	
PRODUCT NUMBER(S): 800-6074 (1006152)			
TRADE NAME: Test D – LSD Order No. 6074 GENERAL USE: Test Kit for Lysergides CHEMICAL FAMILY: PDMB/HCl/ETOH/H3PO4 PRODUCT DESCRIPTION: 1st Ampoule – Clear liquid; 2nd ampoule – Clear fuming liquid acid odor (Hydrochloric Acid), 3rd ampoule – colorless liquid, (Phosphoric Acid).			
MANUFACTURED FOR: Safariland LLC		DATE PREPARED: April 20, 2012	
		SUPERSEDES: August 1, 2011	
ADDRESS (NUMBER, STREET, P.O. BOX) 13386 International Parkway		TELEPHONE NUMBER FOR INFORMATION / Customer Service 800-347-1200	
(CITY, STATE AND ZIP CODE) Jacksonville, FL 32218		COUNTRY USA	
		CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER  1-800-255-3924 01-813-248-0585 North America Toll Free International	

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Small Unit containing flammable liquid and corrosive liquids. Causes serious burns to skin and eyes. Will irritate lungs and nasal passages if inhaled. Corrosive to metals.

POTENTIAL HEALTH EFFECTS

INHALATION:
Irritation of throat. Prolonged inhalation may cause injury to nasal passages and/or lungs.

SKIN:
Irritation and or burns by direct contact. Delayed onset contact dermatitis is also possible with chronic repeated exposure to all three ampoules.

EYES:
Chronic irritation of eyes, corneal burns are possible with exposure to Hydrochloric Acid and Phosphoric Acid.

INGESTION:
Severe irritation and ulceration of the gastrointestinal tract. Vomiting and diarrhea are also symptoms.

CARCINOGENICITY:

NTP? No	IARC MONOGRAPHS? No	OSHA REGULATED? No
CALIFORNIA, Prop.65?	No	

SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Ethanol, 1st ampoule	>95	64-17-5	200-578-6	F	R11
p-Dimethylaminobenzaldehyde, 1st ampoule	1-5	100-10-7	202-819-0	Xn	R22, R52/53
Hydrochloric Acid, 2nd Ampoule	NR	7647-01-0	231-595-7	T, C+	R23, R35, R37
Phosphoric Acid, 3rd Ampoule	NR	7664-38-2	231-633-2	C	R34

Notes: Hazard symbols and risk phrases based on maximum listed concentration of each hazardous ingredient.

SECTION 4 - FIRST AID MEASURES

INHALATION:
Remove to fresh air, apply CPR if victim is unconscious, administer oxygen, seek immediate medical attention.

EYES:
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek immediate medical attention.

SKIN:
Remove contaminated clothing and flush with cool water for 15 minutes. Seek medical attention for burns/blisters/rash.

INGESTION:
Do not induce vomiting; get immediate medical assistance. If able to swallow, provide water to drink.

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SECTION 5 - FIRE FIGHTING MEASURES								
GENERAL HAZARDS: Hydrochloric Acid, 2nd Ampoule is highly corrosive to most metals with evolution of flammable Hydrogen gas. Phosphoric Acid, 3rd Ampoule, exhibits the same behavior. The Ethanol in the first ampoule is highly flammable.								
EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire and foam, CO ₂ or dry chemical for Ethanol in Ampoule 1.								
FIRE FIGHTING PROCEDURES: Under fire conditions wearing NIOSH/MSA or European EN-149 approved SCBA's or acid gas=organic vapor respirators is required.								
UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic and corrosive fumes may form from heated ampoules.								
HAZARDOUS COMBUSTION PRODUCTS: Hydrogen Chloride gas, other organo-halogens, sulfur oxides, phosphoric oxides, and organic vapors.								
SECTION 6 - ACCIDENTAL RELEASE MEASURES								
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Put on gloves and cover small spills with baking soda. For large spills, contact authorities.								
SECTION 7 - HANDLING AND STORAGE								
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store and handle according to packaged instructions. Store in cool, well ventilated area. Keep away from reactive materials. Avoid breathing vapor and prevent vapor accumulation in enclosed areas.								
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION								
HAZARDOUS COMPONENTS	NIOSH			ACGIH		OSHA		
	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³	TLV/TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³
Ethanol, 1st ampoule	1000	1900			1000		1000	1900
p-Dimethylaminobenzaldehyde, 1st ampoule	NE		NE		NE		NE	
Hydrochloric Acid, 2nd Ampoule	2			50 IDLH		2	5	7
Phosphoric Acid, 3rd Ampoule		1		3		1		1
PERSONAL PROTECTION								
RESPIRATORY PROTECTION: Not generally needed for field use. Respiratory protection needed in case of large spills								
PROTECTIVE GLOVES: Impervious gloves (neoprene, nitrile) required when any contact potential with contents exists.								
EYE PROTECTION: Do not get in eyes, wear safety glasses with side shield splash protection or chemical goggles.								
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: An eye wash fountain and safety shower should be readily available where the potential for contact exists.								
WORK / HYGIENIC PRACTICES: Wash thoroughly after handling. Be prepared to neutralize and absorb spilled acid.								
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES								
APPEARANCE AND ODOR 1st Ampoule – Clear liquid; 2nd ampoule – Clear fuming liquid acrid odor (Hydrochloric Acid), 3rd ampoule – colorless liquid, (Phosphoric Acid).				VAPOR PRESSURE NE				
VOC NE Volatility NE				SPECIFIC GRAVITY (WATER = 1) Dependent upon ampoule.				
BOILING POINT / BOILING RANGE NR				SOLUBILITY IN WATER NR				
FLASH POINT 56°F for Ethanol (Ampoule 1)				VISCOSITY NA				
FLAMMABLE LIMITS LEL: NR UEL: NR				VAPOR DENSITY (AIR = 1) NR				
AUTO-IGNITION TEMPERATURE NR				EVAPORATION RATE BUTYL ACETATE = 1) NE				

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SECTION 10 - STABILITY AND REACTIVITY			
STABILITY		STABLE X	CONDITIONS TO AVOID: Excessive heat, light exposure, contact with incompatible materials.
INCOMPATIBILITY (MATERIALS TO AVOID): Acid contact with most metals corrodes them severely and forms flammable hydrogen gas. Contact of acid gas or liquid with any alkali or active metal may develop enough heat to cause a fire in adjacent combustible material.			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Hydrogen Chloride gas, phosphorous oxides, organo-halogens, sulfur oxides, and organic vapors.			
HAZARDOUS POLYMERIZATION: Will not occur.		CONDITIONS TO AVOID: None related to polymerization.	
SECTION 11 - TOXICOLOGICAL INFORMATION			
Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Ethanol, 1st ampoule	64-17-5	Oral, mouse: LD50 = 3450 mg/kg.	NE
	200-578-6		
p-Dimethylaminobenzaldehyde, 1st ampoule	100-10-7	Oral, mouse: LD50 = 800 mg/kg.	NE
	202-819-0		
Hydrochloric Acid, 2nd Ampoule	7647-01-0	Oral, rabbit: LD50 = 900 mg/kg.	Inhalation, rat: LC50 = 3124 ppm/1H.
	231-595-7		
Phosphoric Acid, 2nd Ampoule	7664-38-2	Oral, rat: LD50 = 1250 mg/kg.	Inhalation, rat: LC50 = 25.5 mg/m ³
	231-633-2		
SECTION 12 - ECOLOGICAL INFORMATION			
Harmful to environment in large quantities.			
SECTION 13 - DISPOSAL CONSIDERATIONS			
WASTE DISPOSAL METHOD: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.			
SECTION 14 - TRANSPORT INFORMATION			
GROUND SHIPMENT WITHIN USA (DOT):			
PROPER SHIPPING NAME:		None - Exempted Qty.	
CLASS/ PACK GROUP/ LABELING:		Class 8 (3) with Excepted Qty. marking on package. No class 8 or 3 label required.	
NOTES: When shipped under 49CFR173.4a, This product is exempt from other labeling and waybill requirements.			
GROUND SHIPMENTS TO AND WITHIN CANADA (TDG):			
PROPER SHIPPING NAME:		None - Limited Quantity (within Canada), See above for US to Canada	
CLASS/ PACK GROUP/ LABELING:		Phrase "Ltd. Qty." on package. No additional requirements.	
NOTES: TDG only used for shipment within Canada, shipments from the US can follow DOT regulations. See TDG Sections 1.17 and 9.			
AIR SHIPMENTS (ICAO/IATA):			
PROPER SHIPPING NAME:		None - (Classified under UN1170 Ethanol Solution, UN 1805 Phosphoric Acid, UN 1789 Hydrochloric Acid - Overall Excepted Qty. E2)	
CLASS/ PACK GROUP/ LABELING:		Class 8 (3) with Excepted Qty. marking on package. No class 8 or 3 label required.	
NOTES: This product is exempt from other labeling and waybill requirements.			
OCEAN SHIPMENTS (IMDG):			
PROPER SHIPPING NAME:		None	
CLASS/ PACK GROUP/ LABELING:		Class 8 (3) with Excepted Qty. marking on package. No class 8 or 3 label required.	
NOTES: Shipping Paper required with statement "Dangerous Goods in Excepted Quantities" and number of packages.			
ALL SHIPMENTS EXCEEDING EXCEPTED QUANTITY / ALTERNATIVE SHIPPING INFORMATION:			
PROPER SHIPPING NAME:		UN 3316, Chemical Kit	
CLASS/ PACK GROUP/ LABELING:		Class 9, Pack Group III. Miscellaneous Label	
NOTES:		Full documentation required.	



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Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, TDG & UN information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping. **Information above does not account for overpacks or outer packings with multiple hazardous materials; consult shipper when multiple materials are shipped. Consult regulations for maximum outer packaging and overpack requirements**

SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): **Ingredients are listed.**
 SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):
 Acute Health: **Yes** Chronic Health: **Yes**
 Fire: **Yes** Sudden Release of Pressure: **No**
 Reactive: **No**

313 REPORTABLE INGREDIENTS: **This material contains Hydrogen Chloride (CAS# 7647-01-0 32-38%) which are**
 CERCLA (USA - Comprehensive Response Compensation and Liability Act): **AS# 7647-01-0: 5000 lb final RQ; 2270 kg**
 State Right to Know: **Hydrochloric Acid ILL, MA, NJ, PA, RI. ; Phosphoric Acid: MA, NJ, PA. ;Ethanol MA, NJ, PA, RI**
 California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **Ethanol**
 CCPR (Canadian Controlled Products Regulations): **Not Listed.**
 CIDL (Canadian Ingredient Disclosure List): **Not listed.**
 EINECS (European Inventory of Existing Commercial Chemical Substances): **Referenced.**

WGK Water Quality Index: **2 (overall 3 ampoules).**


RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:
R11: Highly Flammable. R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. R22: Harmful if swallowed. R23: Toxic by inhalation. R32: Contact with acids liberates very toxic gas. R35: Causes severe burns. R37: Irritating to respiratory system. R38: Irritating to skin. R48/20/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed. R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.		S1/2: Keep locked up and out of the reach of children. S9: Keep container in a well ventilated place. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39: Wear suitable protective clothing, gloves and eye/face protection. S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 16 - OTHER INFORMATION

Legend: NA = Not Applicable ND = Not Determined NE = Not Established NR = Not Reported
NA = Not Applicable ND = Not Determined ND = Not NE = Not Established NR = Not Reported

HMIS HAZARD RATINGS	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:	3 3 1 C	0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
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REVISION SUMMARY:
 Revised 4/20/2012.

<p>MSDS Prepared by: ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com</p>	
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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.