



MATERIAL SAFETY DATA SHEET

05763

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SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Duquenois-Levine Reagent		DATE: October 22, 2012
PRODUCT NUMBER(S): 7608 (1006035)		
TRADE NAME: NarcoPouch®		
GENERAL USE: Presumptive Test Kit for THC		
CHEMICAL FAMILY: Ethanol/Vanillin/Acetaldehyde/HCl		
PRODUCT DESCRIPTION: 1st Ampoule – Clear liquid; 2nd ampoule – Clear fuming liquid acid odor (HCl).		
MANUFACTURED FOR: Safariland LLC	DATE PREPARED: October 22, 2012	SUPERSEDES: May 1, 2012
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

Irritation of eyes, nose, and throat. Splashes in the eyes or on the skin will cause severe skin burns. Inhalation of acid vapors may be injurious to the lungs. Repeated or prolonged exposure to dilute solutions of acid may cause irritation of the skin. Repeated or prolonged exposure to mists or vapors of Hydrochloric Acid may cause erosion of teeth, chronic irritation of the eyes, or chronic inflammation of the nose, throat, and bronchial tubes. 2 ppm (9.78 mg/m3) 60 minute ceiling NIOSH.

POTENTIAL HEALTH EFFECTS

INHALATION:

Irritation of throat. Inhalation of acid vapors may be injurious to the lungs and with repeated inhalation chronic irritation/inflammation of nose, throat, and bronchial tubes.

SKIN:

Irritation and or burns by direct contact. Delayed onset contact dermatitis is also possible with chronic repeated exposure to ampoule 1 chemicals.

EYES:

Chronic irritation of eyes, corneal burns are possible with exposure to Hydrochloric Acid (Ampoule 2).

INGESTION:

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

CARCINOGENICITY:

NTP? **Yes- Acetaldehyde.**

IARC MONOGRAPHS? **Yes, 75-07-0**

OSHA REGULATED? **No**

CALIFORNIA, Prop. 65?
ESIS?

Yes CAS#75-07-0 (Acetaldehyde) are known carcinogens listed in the State of California.

Yes CAS #75-07-0 EINECS #200-836-8 Acetaldehyde=Limited evidence of carcinogenic effect.

SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Ethanol 1st ampoule	90.3	64-17-5	200-578-6	F	R11
Vanillin: 1st ampoule	2.4	121-33-5	204-465-2	None	None
Acetaldehyde: 1st ampoule	1.3	75-07-0	200-836-8	F+, Xi, Xn	R12, R36/37, R40
Hydrochloric Acid, 2nd Ampoule	100%	7647-01-0	231-595-7	T, C, Xi	R23, R35, R37

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:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention.

INGESTION:

If swallowed, give plenty of water to dilute substances, do not induce vomiting; if conscious, give large quantities of water immediately to dilute the Hydrochloric Acid. If vomiting occurs spontaneously, keep the head below the waist to avoid aspiration.
Call a physician immediately.

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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.

EXTINGUISHING MEDIA:

Use extinguishing media appropriate for surrounding fire and foam, CO₂ or dry chemical for Ethanol in Ampoule 1.

FIRE FIGHTING PROCEDURES:

None applicable, not flammable.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Under fire conditions wearing NIOSH/MSA or European EN-149 approved SCBA's or acid gas=organic vapor respirators is required.

HAZARDOUS COMBUSTION PRODUCTS:

Hydrogen Chloride gas, Hydrogen Cyanide gas, sulfur oxides, and organic vapors.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wear protective equipment; ventilate area; cover a Hydrochloric Acid spill with sodium carbonate. Add water if necessary to form a slurry. Scoop up slurry. Can use ODV part number 910 soda ash.

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
Vanillin: 1st ampoule	NE			NE		2		NE
Acetaldehyde: 1st ampoule	25		2000 IDLH		25 Ceiling		200	360
Hydrochloric Acid, 2nd Ampoule.	2			50 IDLH		2	5	7

PERSONAL PROTECTION

RESPIRATORY PROTECTION:

NIOSH/MSA or European EN-149 approved acid gas respirator for a minor Hydrochloric Acid spill clean-up or a NIOSH/MSA or European EN-149 approved organic vapor respirator.

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 (HCl).

VOC NE Volatility NE

VAPOR PRESSURE

NR

SPECIFIC GRAVITY (WATER = 1)

NR

BOILING POINT / BOILING RANGE

NR

SOLUBILITY IN WATER

62% for Hydrochloric Acid.

FLASH POINT

56°F for Ethanol (Ampoule 1)

VISCOSITY

NA

FLAMMABLE LIMITS

LEL: NR

UEL: NR

VAPOR DENSITY (AIR = 1)

NE

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. Cobalt (II) Thiocyanate when strongly acidified by contact with Sulfuric Acid and when also heated can produce deadly Hydrogen Cyanide gas.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Hydrogen Chloride gas, Hydrogen Cyanide gas, 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	3450 mg/kg (ORAL, MOUSE).	NE
	200-578-6		
Vanillin: 1st ampoule	121-33-5	Oral, rat: LD50 = 1580 mg/kg.	NE
	204-465-2		
Acetaldehyde: 1st ampoule	75-07-0	Oral, rat: LD50 = 661 mg/kg.	Inhalation, rat: LC50 = 13300 ppm/4H.
	200-836-8		
Hydrochloric Acid, 2nd Ampoule	7647-01-0	Oral, rabbit: LD50 = 900 mg/kg.	Inhalation, rat: LC50 = 3124 ppm/1H.
	231-595-7		

SECTION 12 - ECOLOGICAL INFORMATION

Harmful to environment in large quantities. Chloroform may bioaccumulate in soil, water, and organisms.

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: Class3(8) with Excepted Qty. marking on package. No class 3 or 8 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 1789 Hydrochloric Acid - Overall Excepted Qty. E2)

CLASS/ PACK GROUP/ LABELING: Class3(8) with Excepted Qty. marking on package. No class 3 or 8 label required.

NOTES: This product is exempt from other labeling and waybill requirements.

OCEAN SHIPMENTS (IMDG):

PROPER SHIPPING NAME: None

CLASS/ PACK GROUP/ LABELING: Class3(8) with Excepted Qty. marking on package. No class 3 or 8 label required.

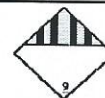
NOTES: Shipping Paper required with statement "Dangerous Goods in Excepted Quantities" and number of packages.

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.



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

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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** Reactive: **No**
 Fire: **No** Sudden Release of Pressure: **No**

313 REPORTABLE INGREDIENTS: This material contains Acetaldehyde (CAS#75-07-0) and Hydrochloric Acid (CAS# 7647-01-0) which are subject to the reporting requirements of Section 313 of SARA Title III & 40 CFR Part 373.

CERCLA (USA - Comprehensive Response Compensation and Liability Act): CAS# 75-07-0: 1000 lb final RQ; 454 kg final RQ.
 CAS# 7647-01-0: 5000 lb final RQ; 2270 kg final RQ.

CCPR (Canadian Controlled Products Regulations): Not Listed.

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: WARNING! This product contains a chemical known to the State of California to cause cancer. Acetaldehyde.





State Right to Know: Acetaldehyde: MA, NJ, PA. ; Ethanol MA, NJ, PA, RI. Hydrochloric Acid ILL, MA, NJ, PA, RI.

CIDL (Canadian Ingredient Disclosure List): Not Listed.

CDSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): Listed on DSL.

EINECS (European Inventory of Existing Commercial Chemical Substances): Referenced.

WGK Water Quality Index: 2 (overall 2 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. 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. R40: Limited evidence of a carcinogenic effect.	 Xn: Harmful  T: Toxic  C): Corrosive  F: Highly Flammable	For Hydrochloric Acid Ampoule #2: 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: N/A = Not Applicable N/D = Not Determined N/E = Not Established N/R = Not Reported

HMIS HAZARD RATINGS	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:	3 0 0 H	0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
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REVISION SUMMARY: reviewed 10/22/2012.

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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.