

5/21/08

**MSDS - Material Safety Data Sheet****Product Name: Duquenois-Levine Reagent for Marijuana (Ampoule 3)**

RECEIVED PG 8

MSDS No.: NARK2005C

**I. Basic Information:**

Manufacturer: Sirchie Finger Print Laboratories, Inc.

Address: 100 Hunter Place

City, ST Zip: Youngsville, NC 27596

Emergency Contact: CHEMTREC

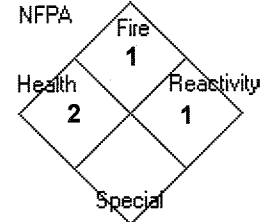
Emergency Telephone Number: 800-424-9300

Contact: Tech Support

Information Telephone Number: 919-554-2244

Last Update: 12-5-2007

Expiration Date:

Chemical State:  Liquid  Gas  SolidChemical Type:  Pure  Mixture

2	Health
1	Flammability
1	Reactivity
H	Pers. Protection

**II. Ingredients:** Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP	SUB Z	313						
67663	Chloroform	>99	X				X		50 ppm	10 ppm	143 F

**III. Hazardous Identification:**

Hazard Category:

 Acute  Chronic  Fire  Pressure  Reactive
**Hazardous Identification Information:**

Light sensitive. Harmful or fatal if swallowed. May cause respiratory and digestive tract irritation. May cause skin and eye irritation. Aspiration hazard. May cause central nervous system depression. May cause cardiac disturbances. May cause adverse reproductive and fetal effects. May cause cancer based on animal studies.

This material is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

**IV. First Aid Measures:****Route(s) of Entry:**

Inhalation, ingestion, skin, eyes

**Health Hazards (Acute and Chronic):**

Acute: Severe eye burns, chemical pneumonitis (if aspirated into lungs), cardiac sensitization and possible failure

Chronic: Dermatitis

**Signs and Symptoms:**

Inhalation: Headache, dizziness, unconsciousness, coma

Ingestion: Nausea, vomiting, diarrhea

Skin: Burning pain, itching, redness

**Medical Conditions Generally Aggravated by Exposure:**

Skin, eye, respiratory, kidney, heart, central nervous system, liver, gastrointestinal system, excretory system diseases

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### **Emergency and First Aid Procedures:**

**Inhalation:** Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen (To be administered by qualified medical personnel only) Get medical attention.

**Ingestion:** DO NOT induce vomiting. If victim is conscious and alert, give 2-4 cups of milk or water. (Never give anything by mouth to an unconscious person!) Get medical attention immediately.

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Seek medical attention.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Do not allow victim to rub or keep eyes closed. Get medical aid immediately.

**Notes to physician:** Causes cardiac sensitization to endogenous catecholamines which may lead to cardiac arrhythmias. DO NOT use adrenergic agents such as epinephrine or pseudoepinephrine.

### **Other Health Warnings:**

Toxicity may be increased by exposure to alcohol, steroids, and ketones.

### **V. Fire Fighting Measures:**

**Flash Point:** NE

**Lower Explosive Limit:** NE

**Upper Explosive Limit:** NE

**F.P. Method:**

**Fire Extinguishing Media:** Water spray, dry chemical, foam

### **Special Fire Fighting Procedures:**

Wear self-contained breathing apparatus and protective clothing.

### **Unusual Fire and Explosion:**

### **VI. Accidental Release Measures:**

#### **Steps to be Taken in Case Material is Released or Spilled:**

Wear vapor respirator, safety goggles, and rubber gloves. Remove sources of ignition (i.e. open flames, sparks). Soak up with inert absorbent material (dry sand or earth recommended; do not use flammable substances such as sawdust). Dispose according to local, state, and federal regulations.

### **VII. Handling and Storage:**

#### **Precautions to be Taken:**

Keep in closed container. Keep cool and dry. Avoid direct sunlight. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials. Use only in well-ventilated areas. Avoid contact with skin and eyes. Avoid inhalation and ingestion. Wash thoroughly after handling.

#### **Other Precautions:**

### **VIII. Exposure Controls/Personal Protection:**

#### **Ventilation Requirements:**

Use only in well-ventilated areas.

#### **Personal Protective Equipment:**

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Safety goggles, gloves, vapor respirator, protective clothing

### IX. Physical and Chemical Properties:

Boiling Point: 61 C

Melting Point: -63 C

Evaporation Rate (Butyl Acetate = 1): 11.6

Vapor Pressure (mm Hg.): 160

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): 4.12

Solubility In Water: 8 g/L

Appearance and Odor:

Other Information:

### X. Stability and Reactivity:

Stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

Incompatibility (Materials to Avoid):

Light, ignition sources (heat, open flame, spark), acetone, alkalis, aluminum, disilane, lithium, magnesium, nitrogen oxides, acids, phosphorus pentoxide, potassium, hydroxides, alcohols, potassium tert-butoxide, sodium, sodium methylate, sodium-potassium alloy, triisopropylphosphine, fluorine, strong oxidizers, acetic anhydride + sodium hydrogensulfate, acetyl bromide, ammonia, silver nitrate, dichloromethane, disulfuryl difluoride, magnesium perchlorate, silver, oxides, platinum, potassium, tetrachlorosilane, steroids, ketones

Decomposition/By Products:

Hydrogen chloride, carbon dioxide, chlorine, phosgene gas

Hazardous Polymerization:

Has not been reported.

### XI. Toxicological Information:

Harmful or fatal if swallowed. May cause central nervous system depression. May cause cardiac disturbances. May cause adverse reproductive and fetal effects.

Carcinogenicity

Chloroform

ACGIH--A3: Animal carcinogen

California--Carcinogen

NIOSH--Occupational carcinogen

NTP--Suspect carcinogen

OSHA--Possible select carcinogen

IARC--Group 2B: Possibly carcinogenic to humans

### XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life. If released to land, most evaporates rapidly, while some leaches to groundwater.

### XIII. Disposal Considerations:

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Dispose according to local, state, and federal regulations.

RCRA D-Series Maximum Concentration of Contaminants: Waste no. D022; Regulatory level = 6.0 mg/L

RCRA D-Series Chronic Toxicity Reference Level: 0.06 mg/L

RCRA U-Series: Waste no. U044

### ***XIV. Transport Information:***

Keep in closed container. Keep cool and dry. Avoid direct sunlight. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials. Avoid contact with skin and eyes. Avoid inhalation and ingestion. Wash thoroughly after handling.

IATA

Shipping name: Chemical kit

Hazard class: 9

UN no.: 3316

Packing group: II

### ***XV. Regulatory Information:***

All ingredients are listed on the TSCA inventory.

Chloroform is listed as a hazardous air pollutant (HAP) under the Clean Air Act.

Chloroform is listed as a Hazardous Substance, Priority Pollutant, and Toxic Pollutant under the Clean Water Act.

California Proposition 65: This product contains chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm (chloroform).

Chloroform is listed on the EPA Extremely Hazardous Substances (EHS) list.

This material is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

### ***XVI. Other Information:***

Using this product under normal, properly instructed procedures should not be hazardous.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.