

**MSDS - Material Safety Data Sheet****Product Name: Thin Layer Chromatography of Marijuana, Reagent #1  
(Extract Reagent)**

MSDS No.: MZ010B

**I. Basic Information:**

Manufacturer: Sirchie Finger Print Laboratories

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: 01/31/2011

Expiration Date:

Chemical State:  Liquid  Gas  SolidChemical Type:  Pure  Mixture

|   |                  |
|---|------------------|
| 2 | Health           |
| 4 | 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 | 313 | SUB Z | 313 |      |    |          |           |              |
| 68476506 | Petroleum ether | 100     |     |     |       |     |      | NE | NE       | -17.78 C  |              |

**III. Hazardous Identification:**

Hazard Category:

 Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

EXTREMELY FLAMMABLE! Harmful or fatal if swallowed. Harmful if inhaled. Respiratory and digestive tract irritant. Skin and eye irritant. Aspiration hazard. May cause central nervous system depression.

**IV. First Aid Measures:**

Route(s) of Entry:

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Acute: Central nervous system depression

Chronic: Dermatitis

Signs and Symptoms:

Inhalation: Headache, dizziness, drowsiness, unconsciousness, coma

Ingestion: Nausea, vomiting, diarrhea, excitement, headache, dizziness, drowsiness, collapse, unconsciousness, coma, death due to respiratory failure

Skin: Redness, dryness, inflammation

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory, central nervous 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!) Aspiration hazard. 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.

### Other Health Warnings:

### V. Fire Fighting Measures:

Flash Point: <-17.78 C

Lower Explosive Limit: 1.1

Upper Explosive Limit: 5.9

F.P. Method:

Fire Extinguishing Media: Dry chemical, carbon dioxide, water spray or fog, regular foam

### Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing. Water may be ineffective, but may be used to cool fire-exposed containers. Cool containers with flooding amounts of water until well after fire is out. DO NOT use straight streams of water.

### Unusual Fire and Explosion:

Containers may explode when heated. Vapors from this product may travel some distance from original point to an ignition source and flash back. Vapors may be heavier than air. They may spread along the ground and collect in low or confined areas. This material is lighter than water and insoluble in water. The fire could easily be spread by the use of water in an area where the water can not be contained.

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and bunged and then disposed of according to local, state, and federal regulations.

### 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). Use a spark-proof tool. A vapor-suppressing foam may be used to reduce vapors. Dispose according to local, state, and federal regulations.

### VII. Handling and Storage:

#### Precautions to be Taken:

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

#### Other Precautions:

Prevent build-up of vapors to explosive concentrations.

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and bunged and then disposed of according to local, state, and federal regulations.

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### VIII. Exposure Controls/Personal Protection:

#### Ventilation Requirements:

Use only in well-ventilated areas.

#### Personal Protective Equipment:

Safety goggles, gloves, vapor respirator, protective clothing

### IX. Physical and Chemical Properties:

**Boiling Point:** 35 C

**Melting Point:** NE

**Evaporation Rate (Butyl Acetate = 1):** 10

**Vapor Pressure (mm Hg.):** 40

**Specific Gravity (H<sub>2</sub>O = 1):**

**Vapor Density (AIR = 1):** 2.5

**Solubility In Water:** Insoluble

**Appearance and Odor:** Colorless liquid; kerosene odor

#### Other Information:

### X. Stability and Reactivity:

#### Stability:

Stable under normal temperatures and pressures.

#### Incompatibility (Materials to Avoid):

Nitrogen tetroxide, strong oxidizers, ignition sources (heat, open flame, spark)

#### Decomposition/By Products:

Carbon monoxide and dioxide

#### Hazardous Polymerization:

Has not been reported.

### XI. Toxicological Information:

Harmful or fatal if swallowed. Harmful if inhaled. May cause central nervous system depression.

### XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life. Petroleum ether is expected to cause some oxygen depletion in aquatic systems. It has a moderate potential to affect the germination and growth of some plants.

### XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

### XIV. Transport Information:

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IATA

Shipping name: Petroleum distillates, N.O.S.

Hazard class: 3

UN no.: 1268

Packing group: I

Flammable liquid!

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

Petroleum ether is listed on the TSCA inventory.

### ***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.