

MSDS - Material Safety Data Sheet**Product Name: Ehrlich's Reagent for LSD (Ampoule 1)**

EVIDENT, INC.
 1-800-576-7606
 www.EvidentCrimeScene.com
 contact@evident.cc

MSDS No.: NARK2004A

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 (N/D = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA 313		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB	Z					
100107	4-(Dimethylamino)benzaldehyde	5							NE	NE	73 C
64175	Ethanol	95							1,000 ppm	1,000 ppm	57 F

III. Hazardous Identification:

Hazard Category:

 Acute Chronic Fire Pressure Reactive
Hazardous Identification Information:

FLAMMABLE! May form explosive peroxides. May be fatal or cause blindness if ingested. May be absorbed through the skin. May cause respiratory and digestive tract irritation. Skin irritant. Severe eye irritant. May cause central nervous system depression. May cause liver and kidney damage. May cause adverse reproductive and fetal effects based on animal testing.

The chemical, physical, and toxicological properties of 4-(dimethylamino)benzaldehyde have not been thoroughly investigated.

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):

Chronic: Defatting of the skin, dermatitis

Signs and Symptoms:

Inhalation: Headache, dizziness, drowsiness, unconsciousness, coma

Ingestion: Excitement, headache, dizziness, drowsiness, nausea, collapse, unconsciousness, coma, death due to respiratory failure

Eyes: Burning sensation, redness, tearing, inflammation

MSDS - Material Safety Data Sheet

Product Name: Ehrlich's Reagent for LSD (Ampoule 1)

MSDS No.: NARK2004A

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory, kidney, liver, central nervous system diseases

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: If victim is conscious and alert, give 2-4 cups of milk or water. (Never give anything by mouth to an unconscious person!) Induce vomiting by giving one teaspoon (1 tsp) of syrup of ipecac. 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: 57 F

Lower Explosive Limit: 3.3

Upper Explosive Limit: 19

F.P. Method:

Fire Extinguishing Media: Water, dry chemical, chemical or alcohol-resistant foam

Special Fire Fighting Procedures:

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

Unusual Fire and Explosion:

Containers may explode in heat of fire. May form explosive peroxides. 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.

"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). 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. Light sensitive. Keep cool and dry. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Electrically bond and ground all containers and equipment before transfer or use of material. Use only in well-ventilated areas. Avoid contact with skin, eyes, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling.

Other Precautions:

"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.

MSDS - Material Safety Data Sheet

Product Name: Ehrlich's Reagent for LSD (Ampoule 1)

MSDS No.: NARK2004A

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: 173.3 F

Melting Point: -90 C

Evaporation Rate (Butyl Acetate = 1): 2.0

Vapor Pressure (mm Hg.): 25

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): 1.6

Solubility In Water: Soluble

Appearance and Odor: Clear liquid; aromatic odor

Other Information:

X. Stability and Reactivity:

Stability:

Stable. May be sensitive to peroxide formation.

Incompatibility (Materials to Avoid):

Acids; azo, diazo, and hydrazines; isocyanates; metals; nitrides; peroxides; hydroperoxides; epoxides; oxidizing agents; reducing agents; water reactive substances; ignition sources (heat, open flame, spark); light; strong bases

Decomposition/By Products:

Carbon monoxide and dioxide, peroxides, nitrogen oxides

Hazardous Polymerization:

Has not been reported.

XI. Toxicological Information:

May be fatal or cause blindness if ingested. May be absorbed through the skin. May cause central nervous system depression. May cause liver and kidney damage. May cause adverse reproductive and fetal effects based on animal testing.

The toxicological properties of 4-(dimethylamino)benzaldehyde have not been thoroughly investigated.

XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

Methanol

RCRA U-Series: waste no. U154 (Ignitable waste)

This material is banned from land disposal according to RCRA.

MSDS - Material Safety Data Sheet

Product Name: Ehrlich's Reagent for LSD (Ampoule 1)

MSDS No.: NARK2004A

XIV. Transport Information:

Keep in tightly closed container. Light sensitive. Keep cool and dry. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Electrically bond and ground all containers and equipment before transfer or use of material. Avoid contact with skin, eyes, and clothing. Avoid ingestion and inhalation. 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.

Methanol and methyl isobutyl ketone are listed as hazardous air pollutants (HAPs) under the Clean Air Act.

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.

MSDS - Material Safety Data Sheet**Product Name: Ehrlich's Reagent for LSD (Ampoule 2)**

MSDS No.: NARK2004B

I. Basic Information:

Manufacturer: Sirchie Finger Print Laboratories

Address: 100 Hunter Place

City, ST Zip: Youngsville, NC 27596

Emergency Contact: ChemTrec

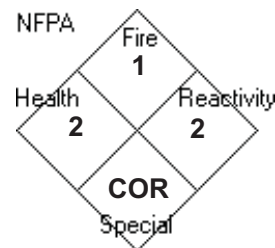
Emergency Telephone Number: 800-424-9300

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
1	Flammability
2	Reactivity
H	Pers. Protection

II. Ingredients: Trade Secret (N/D = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
7647010	Hydrochloric acid	100.00						5 ppm	5 ppm	230 F	

III. Hazardous Identification:

Hazard Category:

 Acute Chronic Fire Pressure Reactive
Hazardous Identification Information:

Corrosive! May be absorbed through the skin. Severe respiratory and digestive tract irritant. Causes skin and eye burns.

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 skin and eye burns, respiratory disturbances

Chronic: Dermatitis, erosion of the teeth, conjunctivitis, skin photosensitization

Signs and Symptoms:

Inhalation: Coughing, burns, breathing difficulty, coma

Ingestion: Digestive tract burns, abdominal pain, vomiting, death

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, circulatory system, respiratory system diseases

Emergency and First Aid Procedures:

MSDS - Material Safety Data Sheet

Product Name: Ehrlich's Reagent for LSD (Ampoule 2)

MSDS No.: NARK2004B

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.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: NE

Lower Explosive Limit: NE

Upper Explosive Limit: NE

F.P. Method:

Fire Extinguishing Media: Use proper extinguishing media suitable for surrounding fire.

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.

Unusual Fire and Explosion:

Reacts with metals to form flammable hydrogen gas.

VI. Accidental Release Measures:

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

Wear vapor respirator, safety goggles, and rubber gloves. Remove all ignition sources (heat, open flame, spark). Neutralize with dilute alkaline solutions of soda ash or lime. Soak up with inert absorbent material (earth, sand, or vermiculite 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 ignition sources (heat, open flame, spark). Avoid direct sunlight. Avoid incompatible materials. Use only in well-ventilated areas. Avoid contact with skin and eyes. Do not ingest or inhale. Wash thoroughly after handling.

Other Precautions:

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, gloves, vapor respirator, protective clothing

MSDS - Material Safety Data Sheet

Product Name: Ehrlich's Reagent for LSD (Ampoule 2)

MSDS No.: NARK2004B

IX. Physical and Chemical Properties:

Boiling Point: 230 F

Melting Point: -101 F

Evaporation Rate (Butyl Acetate = 1): 2.0

Vapor Pressure (mm Hg.): 160

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): 1.257

Solubility In Water: 823 g/L at 32 F

Appearance and Odor: Clear liquid; pungent odor

Other Information:

X. Stability and Reactivity:

Stability:

Stable under normal temperatures and pressures.

Incompatibility (Materials to Avoid):

Acetates, acetic anhydride, alcohols + hydrogen cyanide, 2-aminoethanol, hydroxides, carbides, phosphides, acids, 1,1-difluoroethylene, ethylene diamine, ethyleneimine, fluorine, lithium silicide, magnesium boride, mercuric sulfate, oleum, potassium permanganate, b-propiolactone, propylene oxide, silver perchlorate + carbon tetrachloride, sodium, aldehydes, epoxides, metals, ignition sources (heat, open flame, spark)

Decomposition/By Products:

Hydrogen chloride, flammable hydrogen gas

Hazardous Polymerization:

May occur on contact with aldehydes or epoxides.

XI. Toxicological Information:

Corrosive! May be absorbed through the skin. Severe respiratory and digestive tract irritant. Causes skin and eye burns.

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

XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

XIV. Transport Information:

Keep in closed container. Keep cool and dry. Avoid ignition sources (heat, open flame, spark). Avoid direct sunlight. Avoid incompatible materials. Avoid contact with skin and eyes. Do not ingest or inhale. Wash thoroughly after handling.

IATA

Shipping name: Chemical kit

Hazard class: 9

UN no.: 3316

Packing group: II

MSDS - Material Safety Data Sheet

Product Name: Ehrlich's Reagent for LSD (Ampoule 2)

MSDS No.: NARK2004B

XV. Regulatory Information:

All ingredients are listed on the TSCA inventory.

Hydrochloric acid is listed as a hazardous air pollutant (HAP) by the Clean Air Act.

Hydrochloric acid is listed as a Hazardous Substance by the Clean Water Act.

Hydrochloric acid is considered highly hazardous by OSHA.

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.

MSDS - Material Safety Data Sheet**Product Name: Ehrlich's Reagent for LSD (Ampoule 3)**

MSDS No.: NARK2004C

I. Basic Information:

Manufacturer: Sirchie Finger Print Laboratories

Address: 100 Hunter Place

City, ST Zip: Youngsville, NC 27596

Emergency Contact: ChemTrec

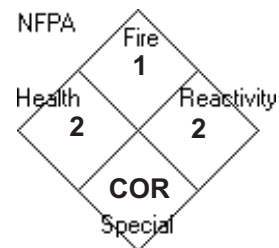
Emergency Telephone Number: 800-424-9300

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
1	Flammability
2	Reactivity
H	Pers. Protection

II. Ingredients: Trade Secret (N/D = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
7664382	Phosphoric acid	85					X	1 mg/m3	1 mg/m3	158 C	
7732185	Water (Distilled)	15						None	None	212 F	

III. Hazardous Identification:

Hazard Category:

 Acute Chronic Fire Pressure Reactive
Hazardous Identification Information:

Corrosive! Hygroscopic! My cause severe irritation to the respiratory and digestive tracts with possible burns. Causes skin and eye burns.

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 skin and eye burns

Chronic: Dermatitis, conjunctivitis

Signs and Symptoms:

Inhalation: Coughing, burns, breathing difficulty, coma

Ingestion: Severe pain, nausea, vomiting, diarrhea, shock

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, pulmonary diseases

MSDS - Material Safety Data Sheet

Product Name: Ehrlich's Reagent for LSD (Ampoule 3)

MSDS No.: NARK2004C

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.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: NE

Lower Explosive Limit: NE

Upper Explosive Limit: NE

F.P. Method:

Fire Extinguishing Media: Water fog, dry chemical, carbon dioxide, regular 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 (sand, dry lime, or soda ash recommended; do not use flammable substances such as sawdust). Ventilate and wash spill site after collection. 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 ignition sources (heat, open flame, spark). Avoid incompatible materials. Use only in well-ventilated areas. Avoid contact with skin, eyes, and clothing. Do not ingest or inhale. Wash thoroughly after handling.

Other Precautions:

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, gloves, vapor respirator, protective clothing

MSDS - Material Safety Data Sheet

Product Name: Ehrlich's Reagent for LSD (Ampoule 3)

MSDS No.: NARK2004C

IX. Physical and Chemical Properties:

Boiling Point: 158 C

Melting Point: 42.35 C

Evaporation Rate (Butyl Acetate = 1): NE

Vapor Pressure (mm Hg.): NE

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): NE

Solubility In Water: Soluble

Appearance and Odor: Clear, odorless liquid

Other Information:

X. Stability and Reactivity:

Stability:

Stable under normal temperatures and pressures.

Incompatibility (Materials to Avoid):

Metals, ignition sources (heat, open flame, spark), alkalies (bases), alloys, chlorides, sodium tetrahydroborate, aldehydes, amines, amides, alcohols, glycols, azo-compounds, carbamates, esters, caustics, phenols, cresols, ketones, organophosphates, epoxides, explosives, combustible materials, unsaturated halides, organic peroxides, sulfides, mercaptans, cyanides, fluorides, halogenated organics, nickel carbonate, nitromethane

Decomposition/By Products:

Phosphorus oxides, phosphate salts, explosive hydrogen gas, trinickel orthphosphate

Hazardous Polymerization:

May occur.

XI. Toxicological Information:

Corrosive! Hygroscopic! May cause severe irritation to the respiratory and digestive tracts with possible burns. Causes skin and eye burns.

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

XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

XIV. Transport Information:

Keep in tightly closed container. Keep cool and dry. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials. Avoid contact with skin, eyes, and clothing. Do not ingest or inhale. Wash thoroughly after handling.

IATA

Shipping name: Chemical kit

Hazard class: 9

UN no.: 3316

Packing group: II

MSDS - Material Safety Data Sheet

Product Name: Ehrlich's Reagent for LSD (Ampoule 3)

MSDS No.: NARK2004C

<i>XV. Regulatory Information:</i>

All ingredients are listed on the TSCA inventory.

Phosphoric acid is listed as a Hazardous Substance under the Clean Water Act.

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

<i>XVI. Other Information:</i>

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.