

MSDS - Material Safety Data Sheet**Product Name: Modified Scott Reagent for Cocaine HCL & Cocaine Base (Ampoule 1)**

EVIDENT, INC.
 739 BROOKS MILL RD
 UNION HALL, VA 24176
 540-576-3512 contact@evident.cc
 www.EvidentCrimeScene.com

MSDS No.: NARK2007A

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
1	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					
10043353	Boric acid	1							NE	NE	
3017605	Cobalt (II) thiocyanate	1					X		NE	.05 mg/m3	
56815	Glycerine	47							5 mg/m3	10 mg/m3	390 F
87694	L-Tartaric acid	1							NE	NE	170 C
7732185	Water (Distilled)	50							None	None	212 F

III. Hazardous Identification:

Hazard Category:

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

May be harmful if inhaled, ingested, or absorbed by the skin. Respiratory and digestive tract irritant. Skin and eye irritant. May have central nervous system effects.

The chemical, physical, and toxicological properties of cobalt (II) thiocyanate and l-tartaric acid 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: Nausea, headache, vomiting

Signs and Symptoms:

MSDS - Material Safety Data Sheet

Product Name: Modified Scott Reagent for Cocaine HCL & Cocaine Base (Ampoule 1)

MSDS No.: NARK2007A

Ingestion: Nausea, vomiting, diarrhea, abdominal cramps, red lesions on the skin and mucous membranes, delirium, convulsions, coma

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory, pulmonary, thyroid, kidney, liver, testicular 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, wash out mouth with water and give victim plenty of water to drink. (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: 390 F

Lower Explosive Limit: NE

Upper Explosive Limit: NE

F.P. Method:

Fire Extinguishing Media: Carbon dioxide, dry chemical powder, appropriate foam, water fog or fine spray

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing. DO NOT use direct streams of water.

Unusual Fire and Explosion:

"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). Dike if necessary. Dilute with water and add slight excess of soda ash. Mix and neutralize with 6M HCl. Soak up with inert absorbent material (sand or earth 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. Protect from direct sunlight and moisture. Store between 64F and 130 F. Avoid incompatible materials. Use only in well-ventilated areas. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Be prepared to neutralize and absorb spilled thiocyanate.

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: Modified Scott Reagent for Cocaine HCL & Cocaine Base (Ampoule 1)

MSDS No.: NARK2007A

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, neoprene or gauntlet gloves, vapor respirator, protective clothing

IX. Physical and Chemical Properties:

Boiling Point: ~212 F

Melting Point: ~64 F

Evaporation Rate (Butyl Acetate = 1): NE

Vapor Pressure (mm Hg.): 3

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): 3.1

Solubility In Water: Soluble

Appearance and Odor: Pink liquid

Other Information:

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Moisture, acids, oxidizing agents, chlorates, nitrates, organic peroxides, ignition sources (heat, open flame, spark), light, bases, reducing agents, potassium, acid anhydrides

Decomposition/By Products:

Cyanides, sulfur oxides, acrolein, carbon monoxide & dioxide, boron oxides, aldehydes

Hazardous Polymerization:

Not applicable for polymerization.

XI. Toxicological Information:

The toxicological properties of cobalt (II) thiocyanate and l-tartaric acid have not been thoroughly investigated.

XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life. Do not allow to enter soil.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

XIV. Transport Information:

MSDS - Material Safety Data Sheet

Product Name: Modified Scott Reagent for Cocaine HCL & Cocaine Base (Ampoule 1)

MSDS No.: NARK2007A

Keep in tightly closed container. Keep cool and dry. Protect from direct sunlight and moisture. Transport between 64F and 130 F. Avoid incompatible materials. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Be prepared to neutralize and absorb spilled thiocyanate.

IATA

Shipping name: Chemical kit

Hazard class: 9

UN no.: 3316

Packing group: II

XV. Regulatory Information:

L-tartaric acid, boric acid, and water are listed on the TSCA inventory.

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: Modified Scott Reagent for Cocaine HCL & Cocaine Base (Ampoule 2)**

MSDS No.: NARK2007B

I. Basic Information:

Manufacturer: Sirchie Finger Print Laboratories

Address: 100 Hunter Place

City, ST Zip: Youngsville, NC 27596

Emergency Contact: ChemTrec

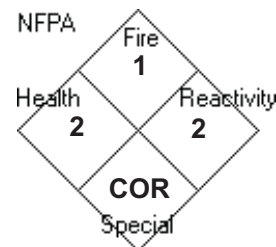
Emergency Telephone Number: 800-424-9300

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

MSDS - Material Safety Data Sheet

Product Name: Modified Scott Reagent for Cocaine HCL & Cocaine Base (Ampoule 2)

MSDS No.: NARK2007B

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: 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: Modified Scott Reagent for Cocaine HCL & Cocaine Base (Ampoule 2)

MSDS No.: NARK2007B

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: Modified Scott Reagent for Cocaine HCL & Cocaine Base (Ampoule 2)

MSDS No.: NARK2007B

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: Modified Scott Reagent for Cocaine HCL & Cocaine Base (Ampoule 3)**

MSDS No.: NARK2007C

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
1	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					
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:

MSDS - Material Safety Data Sheet

Product Name: Modified Scott Reagent for Cocaine HCL & Cocaine Base (Ampoule 3)

MSDS No.: NARK2007C

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

MSDS - Material Safety Data Sheet

Product Name: Modified Scott Reagent for Cocaine HCL & Cocaine Base (Ampoule 3)

MSDS No.: NARK2007C

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: 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: Liquid with sweet 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, alkalies, 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

MSDS - Material Safety Data Sheet

Product Name: Modified Scott Reagent for Cocaine HCL & Cocaine Base (Ampoule 3)

MSDS No.: NARK2007C

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:

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.