

**MSDS - Material Safety Data Sheet****Product Name: Methamphetamine Reagent (Ampoule 1)**EVIDENT, INC.  
1-800-576-7606  
www.EvidentCrimeScene.com  
contact@evident.cc

MSDS No.: NARK20015A

**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  Solid**Chemical Type:**  Pure  Mixture

1	Health
0	Flammability
0	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				
5968116	Sodium carbonate monohydrate	2							NE	NE	
7732185	Water (Distilled)	98							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 through the skin. May irritate respiratory and digestive tracts. May irritate skin and eyes.

The chemical, physical, and toxicological properties of sodium carbonate monohydrate have not been thoroughly investigated.

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

Inhalation, ingestion, skin, eyes

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

Acute: Possible skin &amp; eye burns

Chronic: "Soda ulcers" on the hands

**Signs and Symptoms:**

Inhalation: Burning pain in the nose and throat, coughing, wheezing, shortness of breath, pulmonary edema

**Medical Conditions Generally Aggravated by Exposure:**

Skin, eye, respiratory diseases

# MSDS - Material Safety Data Sheet

## Product Name: Methamphetamine Reagent (Ampoule 1)

MSDS No.: NARK20015A

### 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.

### 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. Soak up with inert absorbent material (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 incompatible materials. Use only in well-ventilated areas. Avoid contact with skin, eyes, and clothing. Do not inhale. Avoid prolonged or repeated exposure. 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: Methamphetamine Reagent (Ampoule 1)

MSDS No.: NARK20015A

### IX. Physical and Chemical Properties:

Boiling Point: ~212 F

Melting Point: ~32 F

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 liquid

Other Information:

### X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Strong acids, aluminum

Decomposition/By Products:

Carbon monoxide & dioxide

Hazardous Polymerization:

Does not occur.

### XI. Toxicological Information:

May be harmful if inhaled, ingested, or absorbed through the skin. May irritate respiratory and digestive tracts. May irritate skin and eyes.

The chemical, physical, and toxicological properties of sodium carbonate monohydrate 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.

### XIV. Transport Information:

Keep in tightly closed container. Keep cool and dry. Avoid incompatible materials. Avoid contact with skin, eyes, and clothing. Do not inhale. Avoid prolonged or repeated exposure. 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.

# *MSDS - Material Safety Data Sheet*

***Product Name: Methamphetamine Reagent (Ampoule 1)***

***MSDS No.: NARK20015A***

<b><i>XVI. Other Information:</i></b>
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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: Methamphetamine Reagent (Ampoule 2)**

MSDS No.: NARK20015B

**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

1	Health
1	Flammability
0	Reactivity
H	Pers. Protection

**II. Ingredients:** Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA 313		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z						
13755389	Sodium nitroferricyanide (III) dihydrate	3							NE	NE	
7732185	Water (Distilled)	96.7							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 through the skin. May cause cyanosis.

The chemical, physical, and toxicological properties of sodium nitroferricyanide (III) dihydrate 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):**

Acute: Cyanosis (Blue-grey coloring of skin and lips caused by lack of oxygen)

**Signs and Symptoms:****Medical Conditions Generally Aggravated by Exposure:**

Skin, eye, respiratory, blood, cardiovascular diseases

# MSDS - Material Safety Data Sheet

## Product Name: Methamphetamine Reagent (Ampoule 2)

MSDS No.: NARK20015B

### 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. (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. Discard contaminated shoes. 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.

#### Unusual Fire and Explosion:

Oxidizer. Contact with combustible material may cause a fire.

### VI. Accidental Release Measures:

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

Wear vapor respirator, safety goggles, rubber gloves, and disposable coveralls (discard after use). Remove all ignition sources (heat, open flame, spark). Soak up with inert absorbent material (dry lime, sand, or soda ash recommended; do not use flammable substances such as sawdust). Scoop up with non-sparking tools. 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 all ignition sources (heat, open flame, spark). Avoid incompatible materials. Use only in well-ventilated areas. Avoid inhalation. Avoid contact with skin, eyes, and clothing. Avoid prolonged or repeated exposure. 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: Methamphetamine Reagent (Ampoule 2)

MSDS No.: NARK20015B

### IX. Physical and Chemical Properties:

Boiling Point: ~212 F

Melting Point: ~32 F

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: Liquid

Other Information:

### X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Strong oxidizing agents, acids, strong reducing agents, metals, moisture, acetanilide, antipyrine, chlorates, hypophosphites, iodides, mercury salts, permanganate, sulfites, vegetable astringent decoctions, infusions or tinctures, primary and secondary amines and amides, activated carbon, ammonium salts, cyanogen compounds, thiocyanates, thiosulfates, cyanides, ignition sources (heat, open flame, spark), combustible materials

Decomposition/By Products:

Carbon monoxide & dioxide, nitrogen oxides, sodium, sodium oxides

Hazardous Polymerization:

Does not occur.

### XI. Toxicological Information:

The toxicological properties of sodium nitroferricyanide (III) dihydrate 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.

### XIV. Transport Information:

Keep in tightly closed container. Keep cool and dry. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Avoid inhalation. Avoid contact with skin, eyes, and clothing. Avoid prolonged or repeated exposure. 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: Methamphetamine Reagent (Ampoule 2)***

***MSDS No.: NARK20015B***

***XV. Regulatory Information:***

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.

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**MSDS - Material Safety Data Sheet****Product Name: Methamphetamine Reagent (Ampoule 3)**

MSDS No.: NARK20015C

**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
2	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					
75070	Acetaldehyde	17					X	200 ppm	25 ppm	-16.60 F	
7732185	Water (Distilled)	82.98						None	None	212 F	

**III. Hazardous Identification:**

Hazard Category:

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

FLAMMABLE! May form explosive peroxides. May be harmful if ingested. May cause respiratory and digestive tract irritation. Skin and eye irritant. May cause central nervous system depression. May cause liver and kidney damage.

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: Dermatitis, conjunctivitis

**Signs and Symptoms:****Medical Conditions Generally Aggravated by Exposure:**

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

**Emergency and First Aid Procedures:**

# MSDS - Material Safety Data Sheet

## Product Name: Methamphetamine Reagent (Ampoule 3)

### MSDS No.: NARK20015C

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: -16.60 F

Lower Explosive Limit: 4.00 vol%

Upper Explosive Limit: 57.00 vol%

### F.P. Method:

Fire Extinguishing Media: Dry chemical, carbon dioxide, alcohol-resistant 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.

### Unusual Fire and Explosion:

May catch fire if exposed to air. Vapors from this product may travel some distance from original point to an ignition source and flash back. Acetaldehyde forms peroxides of unknown stability.

"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 water spray to dilute spill to a non-flammable mixture. Dispose according to local, state, and federal regulations.

### VII. Handling and Storage:

#### Precautions to be Taken:

Keep in tightly closed container. Air sensitive. Refrigerate if possible. Prevent from freezing. Avoid all 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:

Periodically test for peroxide formation on long-term storage. Addition of water or appropriate reducing materials will lessen peroxide formation.

"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.

### VIII. Exposure Controls/Personal Protection:

#### Ventilation Requirements:

Use only in well-ventilated areas.

#### Personal Protective Equipment:

# MSDS - Material Safety Data Sheet

## Product Name: Methamphetamine Reagent (Ampoule 3)

MSDS No.: NARK20015C

Safety goggles, gloves, vapor respirator, protective clothing

### IX. Physical and Chemical Properties:

**Boiling Point:** 21 C

**Melting Point:** -123 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 liquid; pungent odor

**Other Information:**

### X. Stability and Reactivity:

**Stability:**

Stable under normal temperatures and pressures.

**Incompatibility (Materials to Avoid):**

Air, acids, reducing agents, alkaline materials, strong oxidants, amines, acid anhydrides, alcohols, anhydrous ammonia, bromine, chlorine, fluorine, hydrogen cyanide, hydrogen sulfide, iodine, ketones, phenols, phosphorus isocyanate, sodium hydroxide, strong bases, polymerization accelerators, ignition sources (heat, open flame, spark)

**Decomposition/By Products:**

Carbon oxides, nitrogen oxides, peroxides of unknown stability

**Hazardous Polymerization:**

May occur in the presence of polymerization accelerator or a small amount of base.

### XI. Toxicological Information:

May be harmful if ingested. May cause central nervous system depression. May cause liver and kidney damage.

Carcinogenicity

Acetaldehyde

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.

### XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

Acetaldehyde

RCRA U-Series: Waste no. U001 (Ignitable waste)

This material is banned from land disposal according to RCRA.

# *MSDS - Material Safety Data Sheet*

## *Product Name: Methamphetamine Reagent (Ampoule 3)*

*MSDS No.: NARK20015C*

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

Keep in tightly closed container. Air sensitive. Refrigerate if possible. Prevent from freezing. Avoid all 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

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

Water and acetaldehyde are listed on the TSCA inventory.

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

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

Acetaldehyde is considered highly hazardous by OSHA.

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

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.

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