# *MSDS - Material Safety Data Sheet*

## *Product Name: Cyano-Shot Activator Solution: Also Covers CNA4000*

***MSDS No.: CNA300***

### *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

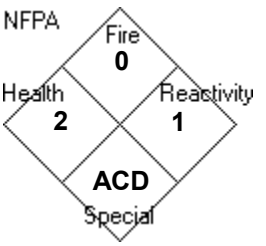
**Contact:** Tech Support

**Information Telephone Number:** 919-554-2244

**Last Update:** 01/26/2011 **Expiration Date:**

**Chemical State:** [X] Liquid [ ] Gas [ ] Solid

**Chemical Type:** [ ] Pure [X] Mixture




| | |
|---|---|
| 2 | Health |
| 0 | Flammability |
| 1 | Reactivity |
| H | Pers. Protection |

### *II. Ingredients:*

[ ] **Trade Secret** *(N/D = Not Disclosed)*

| CAS No. | Chemical Name | % Range | EHS NTP | IARC SUB Z | SARA 313 | OSHA PEL | ACGIH TLV | Other Limits |
|---|---|---|---|---|---|---|---|---|
| 5949291 | Citric acid monohydrate | 10 | | | | NE | NE | 212 F |
| | Distilled water | 90 | | | | | | |
| 838880 | Methylene bis(2-methylaniline) | Trace | | | | | | |

### *III. Hazardous Identification:*

**Hazard Category:**

[X] Acute [X] Chronic [ ] Fire [ ] Pressure [ ] Reactive

**Hazardous Identification Information:**

Irritant. Risk of serious damage to the eyes. Irritating to respiratory system and skin. Possible sensitizer. In case of eye contact, flush immediately with plenty of water. Seek medical advice.

### *IV. First Aid Measures:*

**Route(s) of Entry:**

EYES, INGESTION, SKIN, INHALATION

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

ACUTE EFFECTS: May be harmful by inhalation, ingestion or skin absorption. Causes severe eye irritation. Material is irritating to mucous membranes and upper respiratory tract.

**Signs and Symptoms:**

Vomiting, diarrhea, damage to tooth enamel

**Medical Conditions Generally Aggravated by Exposure:**

May cause allergic reations in certain sensitive people.

**Emergency and First Aid Procedures:**

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EYES: Flush with water for at least 15 minutes. Be certain to wash under eyelids. Seek medical assistance.

Skin: Wash with water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

INHALATION: Remove to fresh air, If not breathing give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**Other Health Warnings:**

## *V. Fire Fighting Measures:*

**Flash Point:** NE **Lower Explosive Limit:** NE **Upper Explosive Limit:** NE

**F.P. Method:**

**Fire Extinguishing Media:** This product will not burn.

**Special Fire Fighting Procedures:**

If exposed to fire use CO2, dry chemical or appropriate foam to extinguish fire. Wear self-contained breathing apparatus and protective clothing to prevent skin and eye contact.

**Unusual Fire and Explosion:**

This material, when in powder form, is capable of creating a dust explosion. Emits toxic fumes under fire conditions.

## *VI. Accidental Release Measures:*

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

Evacuate area. Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Contain spill, dilute area with water, soak up with inert material and dispose of properly.

## *VII. Handling and Storage:*

**Precautions to be Taken:**

See Section (8) VIII.

**Other Precautions:**

Avoid prolonged or repeated exposure.

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

**Ventilation Requirements:**

Use only with chemical fume hood or exhaust fan.

**Personal Protective Equipment:**

Wear appropriate NIOSH/MSHA approved respirator, chemical-resistant gloves, safety goggles, and other protective clothing. Use only in a chemical fume hood or exhaust fan. Keep tightly closed. Store in a cool, dry place.

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### IX. Physical and Chemical Properties:

**Boiling Point:** 212 F

**Melting Point:** NE

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

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

**Specific Gravity (H20 = 1):**

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

**Solubility In Water:** 100%

**Appearance and Odor:** Clear blue liquid.

**Other Information:** Strong acid odor.

### X. Stability and Reactivity:

**Stability:**

Normally stable.

**Incompatibility (Materials to Avoid):**

Oxidizing agents, bases, reducing agents, nitrates.

**Decomposition/By Products:**

Carbon monoxide, carbon dioxide

**Hazardous Polymerization:**

Will not occur.

### XI. Toxicological Information:

ACUTE EFFECTS:
May be harmful if inhaled. Causes severe eye irritation. Causes skin irritation. Material is irritating to mucous membranes and upper respiratory tract. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Exposure can cause: vomiting, diarrhea, damage to tooth enamal, dermatitis.

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

### XII. Ecological Information:

Data not yet available.

### XIII. Disposal Considerations:

Dispose of according to all federal, state and local environmental regulations.

### XIV. Transport Information:

No current restrictions.

### XV. Regulatory Information:

Caution: Substance not yet fully tested. Irritant. Risk of damage to eyes. Irritating to respiratory system and skin.

In case of eye contact, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing.

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### *XVI. Other Information:*

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.

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