SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>TRADE NAME</th>
<th>Sodium Nitroprusside Reagent</th>
</tr>
</thead>
<tbody>
<tr>
<td>COUNTRY</td>
<td>USA</td>
</tr>
<tr>
<td>DATE</td>
<td>May 1, 2012</td>
</tr>
</tbody>
</table>

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Irritation of eyes, nose, and throat. Splashes in the eyes or on the skin will cause severe skin burns. Inhalation of acid vapors may be injurious to the lungs. Repeated or prolonged exposure to dilute solutions of acid may cause irritation of the skin.

POTENTIAL HEALTH EFFECTS

INHALATION:
Irritation of throat. Inhalation of acid vapors may be injurious to the lungs and with repeated inhalation chronic irritation/inflammation of nose, throat, and bronchial tubes.

SKIN:
Irritation and or burns by direct contact. Delayed onset contact dermatitis is also possible with chronic repeated exposure to both ampoule 1 and ampoule 3 chemicals.

EYES:
Chronic irritation of eyes.

INGESTION:
Severe irritation and ulceration of the gastrointestinal tract. Vomiting and diarrhea are also symptoms.

CARCINOGENICITY:

| NTP? | Yes-Acetaldehyde. |
| IARC MONOGRAPHS? | Yes-Acetaldehyde |
| CALIFORNIA, Prop.65? | Yes |
| ESIS? | Yes-CAS#75-07-0 (Acetaldehyde) are known carcinogens listed in the State of California. |
| Yes CAS #75-07-0 EINECS #200-836-8 Acetaldehyde=Limited evidence of carcinogenic effect. |

SECTION 3 - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>% (by Weight)</th>
<th>CAS #</th>
<th>EINECS #</th>
<th>Hazard Symbol</th>
<th>RISK PHRASES (Full Text Section 15)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>5-15</td>
<td>75-07-0</td>
<td>200-836-8</td>
<td>F+, Xn, Xi</td>
<td>R12, R36/37, R40</td>
</tr>
<tr>
<td>Sodium Carbonate Aqueous</td>
<td>1-5</td>
<td>497-19-8</td>
<td>207-838-9</td>
<td>Xi</td>
<td>R36</td>
</tr>
<tr>
<td>Sodium Nitroprusside Aqueous</td>
<td>1-5</td>
<td>13755-38-9</td>
<td>238-373-9</td>
<td>(anhydrous) T</td>
<td>R23/24/25, R32</td>
</tr>
</tbody>
</table>

Notes: Hazard symbols and risk phrases based on maximum listed concentration of each hazardous ingredient.

SECTION 4 - FIRST AID MEASURES

INHALATION:
Remove to fresh air, apply CPR if victim is unconscious, administer oxygen, seek immediate medical attention.

EYES:
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek immediate medical attention.

SKIN:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention.

INGESTION:
If swallowed, give plenty of water to dilute substances, do not induce vomiting; if conscious, give large quantities of water immediately. If vomiting occurs spontaneously, keep the head below the waist to avoid aspiration.
Call a physician immediately.
**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME:** Methamphetamine and MDMA Reagent  
**PRODUCT NUMBER(S):** 923 (1006342), 7623 (1006046)  
**DATE:** May 1, 2012

### SECTION 5 - FIRE FIGHTING MEASURES

**GENERAL HAZARDS:**  
Acetaldehyde is flammable, and sodium nitroprusside will emit toxic gases when heated in a fire.

**EXTINGUISHING MEDIA:**  
Use extinguishing media appropriate for surrounding fire.

**FIRE FIGHTING PROCEDURES:**  
Under fire conditions wearing NIOSH/MSA or European EN-149 approved SCBA’s or acid gas=organic vapor respirators is required.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
Toxic fumes may be produced by heated product.

**HAZARDOUS COMBUSTION PRODUCTS:**  
Hydrogen cyanide gas, carbon oxides, sodium oxide fumes.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**  
Wear protective equipment; ventilate area; Add baking soda (sodium bicarbonate) to absorb material. Add water if necessary to form a slurry. Scoop up slurry. Can use ODV part number 910 soda ash.

### SECTION 7 - HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**  
Store and handle according to packaged instructions. Store in cool, well ventilated area. Keep away from reactive materials. Avoid breathing vapor and prevent vapor accumulation in enclosed areas.

### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>NIOSH</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA ppm</td>
<td>TWA mg/m3</td>
<td>STEL ppm</td>
</tr>
<tr>
<td>Acetaldehyde</td>
<td>25</td>
<td>2000</td>
<td>NA</td>
</tr>
<tr>
<td>Sodium Carbonate Aqueous</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Sodium Nitroprusside Aqueous</td>
<td>1(as iron)</td>
<td>1(as iron)</td>
<td>NA</td>
</tr>
</tbody>
</table>

**PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**  
Not generally needed as kit is opened and used immediately in the field. For spills, an organic vapor respirator (OSHA/NIOSH or EU Approved) is advisable.

**PROTECTIVE GLOVES:**  
Impervious gloves (neoprene, nitrile) required when any contact potential with contents exists.

**EYE PROTECTION:**  
Do not get in eyes, wear safety glasses with side shield splash protection or chemical goggles.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**  
An eye wash fountain and safety shower should be readily available where the potential for contact exists.

**WORK / HYGIENIC PRACTICES:**  
Wash thoroughly after handling. Be prepared to absorb any spill.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>APPEARANCE AND ODOR</th>
<th>VAPOR PRESSURE</th>
<th>VAPOR DENSITY</th>
<th>SOLUBILITY IN WATER</th>
<th>FREEZING POINT</th>
<th>VOLUME PRESSURE</th>
<th>VISCOSITY</th>
<th>EVAPORATION RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear colorless liquid 1st ampoule; clear light brown liquid 2nd ampoule.</td>
<td>NA</td>
<td>(AIR = 1)</td>
<td>NA</td>
<td>NA</td>
<td>BUTYL ACETATE = 1</td>
<td>NA</td>
<td>BUTYL ACETATE = 1</td>
</tr>
</tbody>
</table>
SECTION 10 - STABILITY AND REACTIVITY

STABILITY: STABLE
CONDITIONS TO AVOID:
Excessive heat, light exposure, contact with incompatible materials.

INCOMPATIBILITY (MATERIALS TO AVOID):
Sodium nitroprusside when strongly acidified by contact with Sulfuric or Nitric Acid and when also heated can produce deadly Hydrogen Cyanide gas.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Hydrogen Cyanide gas, organic vapors, sodium oxide fumes.

HAZARDOUS POLYMERIZATION:
Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>CAS #</th>
<th>EINECS #</th>
<th>LC50 of Ingredient</th>
<th>LC50 of Ingredient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetaldehyde</td>
<td>75-07-9</td>
<td>Oral, rat: LD50 = 661 mg/kg</td>
<td>Inhalation, rat: LC50 = 13300 ppm/4H.</td>
</tr>
<tr>
<td>Sodium Carbonate Aqueous</td>
<td>497-19-8</td>
<td>Oral, rabbit: LD50 = 4090 mg/kg</td>
<td>Inhalation, rat: LC50 = 2300 mg/m³ / 2 hours</td>
</tr>
<tr>
<td>Sodium Nitroprusside Aqueous</td>
<td>13755-38-9</td>
<td>Oral, rat: LD50 = 99 mg/kg</td>
<td>NE</td>
</tr>
<tr>
<td>238-373-9 (anhydrous)</td>
<td></td>
<td>Oral, rabbit: LD50 = 34 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 12 - ECOLOGICAL INFORMATION

Components of this product are environmentally hazardous; do not dispose in sewers or bodies of water.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:
Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 - TRANSPORT INFORMATION

GROUND SHIPMENT WITHIN USA (DOT):
PROPER SHIPPING NAME: None - Exempted Qty.
CLASS/ PACK GROUP/ LABELING: Class 3 with Excepted Qty. marking on package. No class 3 label required.
NOTES: When shipped under 49CFR173.4a, This product is exempt from other labeling and waybill requirements.

GROUND SHIPMENTS TO AND WITHIN CANADA (TDG):
PROPER SHIPPING NAME: None - Limited Quantity (within Canada), See above for US to Canada
CLASS/ PACK GROUP/ LABELING: Phrase "Ltd. Qty." on package. No additional requirements.
NOTES: TDG only used for shipment within Canada, shipments from the US can follow DOT regulations. See TDG Sections 1.17 and 9.

AIR SHIPMENTS (ICAO/IATA):
PROPER SHIPPING NAME: None - (Classified under UN1993 Flammable Liquid n.o.s. PGII - Excepted Qty. E2)
CLASS/ PACK GROUP/ LABELING: Class 3 with Excepted Qty. marking on package. No class 3 label required.
NOTES: This product is exempt from other labeling and waybill requirements.

OCEAN SHIPMENTS (IMDG):
PROPER SHIPPING NAME: None
CLASS/ PACK GROUP/ LABELING: Class 3 with Excepted Qty. marking on package. No class 3 label required.
NOTES: Shipping Paper required with statement "Dangerous Goods in Excepted Quantities" and number of packages.

ALL SHIPMENTS EXCEEDING EXPECTED QUANTITY / ALTERNATIVE SHIPPING INFORMATION:
PROPER SHIPPING NAME: UN 3316, Chemical Kit
CLASS/ PACK GROUP/ LABELING: Class 9, Pack Group III. Miscellaneous Label
NOTES: Full documentation required.

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, TDG & UN information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping. Information above does not account for overpacks or outer packings with multiple hazardous materials; consult shipper when multiple materials are shipped. Consult regulations for maximum outer packaging and overpack requirements.
### SECTION 15 - REGULATORY INFORMATION

| TSCA (USA - Toxic Substance Control Act): | Ingredients are listed. |
| SARA TITLE III (USA - Superfund Amendments and Reauthorization Act): | |
| Acute Health: | Yes |
| Chronic Health: | Yes |
| Fire: | Yes |
| Reactive: | No |

313 REPORTABLE INGREDIENTS: This material contains Acetaldehyde (CAS# 75-07-0, > 99.5%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

CERCLA (USA - Comprehensive Response Compensation and Liability Act):

CAS# 75-07-0: 1000 lb final RQ; 454 kg final RQ.


State Right to Know: Acetaldehyde: MA, NJ, PA, RI; Listed as Disodium pentacyanonitrosylferrate NJ, PA.

CIDL (Canadian Ingredient Disclosure List): Not listed.

CDSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): Not Listed on CDSL.

EINECS (European Inventory of Existing Commercial Chemical Substances): Referenced.

WGK Water Quality Index: 3

### SECTION 16 - OTHER INFORMATION

#### LEGEND

<table>
<thead>
<tr>
<th>N/A = Not Applicable</th>
<th>N/D = Not Determined</th>
<th>N/E = Not Established</th>
<th>N/R = Not Reported</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS HAZARD RATINGS</td>
<td>HEALTH:</td>
<td>FLAMMABILITY:</td>
<td>PHYSICAL HAZARD:</td>
</tr>
<tr>
<td></td>
<td>PERSONAL PROTECTIVE EQUIPMENT:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0 = INSIGNIFICANT</td>
<td>1 = SLIGHT</td>
<td>2 = MODERATE</td>
</tr>
<tr>
<td></td>
<td>3 = HIGH</td>
<td>4 = EXTREME</td>
<td></td>
</tr>
</tbody>
</table>

### REVISION SUMMARY:
Revised 5/1/2012. LB

### MSDS Prepared by:
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Website: www.chemtelinc.com

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacture of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.