

**NIK<sup>®</sup> Public Safety, Inc.**  
 13386 International Parkway  
 Jacksonville, FL 32218  
 (800) 428-0588

## Material Safety Data Sheet

**Test G - #6077**

### SECTION 1 - IDENTITY

<b>Name:</b> NIK Public Safety, Inc.	<b>Address:</b> 13386 International Parkway, Jacksonville, FL 32218
<b>Emergency Contact:</b> Chem-Tel ® United States (800)255-3924 International (813) 248-0585 (collect)	
<b>Common Name (*Used on Label):</b> Test G – Cocaine Order No. 6077	<b>Date Prepared:</b> June 4, 2002
<b>Chemical Name:</b> Does Not Apply	<b>Chemical Family:</b> Does Not Apply
<b>Trade Name &amp; Synonyms:</b> NIK (Narcotics Identification System) – Trademark of NIK Public Safety, Inc	
<b>Formula:</b> Trade Secret	

### SECTION 2 – HAZARDOUS INGREDIENTS

Hazardous Component	CAS#	%(by wt)	TLV	PEL
<b>Ampule 1:</b> Glycerin	56-81-5		10 mg/m <sup>3</sup> (mist)	10 mg/m <sup>3</sup> (mist)
<b>Ampule 2:</b> Hydrochloric Acid (HC1), Concentrated	7647-01-0		7 mg/m <sup>3</sup>	7 mg/m <sup>3</sup>
<b>Ampule 3:</b> Chloroform (CHCl <sub>3</sub> )	67-66-3		50 mg/m <sup>3</sup>	240 mg/m <sup>3</sup>

NOTE: This product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA)

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1987-88

### SECTION 3 – PHYSICAL DATA

	Ampule 1	Ampule 2	Ampule 3
<b>Boiling Point</b>	N/A	108.58° C	61.26° C
<b>Specific Gravity</b>	1.20	1.19	1.49
<b>Percent Volatile</b>	-0-	17.68	100
<b>Vapor Pressure (mmHg)</b>	-0-	190 @ 25° C	160 @ 20° C
<b>Solubility in Water</b>	Complete	Infinite	0.5% to 0.8%
<b>Evaporation Rate</b>	N/A	Not Determined	11.6
<b>Vapor Density</b>	N/A	Not Determined	4.12
<b>Reactivity in Water</b>	None	Azeotropic	None
<b>Appearance and Odor</b>	Pink liquid, no odor	Clear, fuming liquid with acrid odor	Clear liquid with characteristic, ethereal odor

### SECTION 4 – FIRE AND EXPLOSION DATA

<b>Flash Point</b>	Not Determined
<b>Extinguishing Media</b>	Use extinguishing media appropriate for surrounding fire
<b>Unusual Fire and Explosion Hazards</b>	HC1 is highly corrosive to most metals with evolution of flammable hydrogen gas; CHCl <sub>3</sub> emits toxic and irritating gases when involved in a fire.
<b>Flammable Limits in Air (% by Vol)</b>	Lower – Not Determined Upper – Not Determined
<b>Auto Ignition Temperature</b>	Not Determined
<b>Special Fire Fighting Procedures</b>	Use proper respiratory protection against fumes such as self-contained breathing apparatus. Avoid inhalation of poisonous gases.

### SECTION 5 – HEALTH INFORMATION

<b>Primary Routes of Exposure:</b> Inhalation, contact with eyes or skin			
<b>Signs and Symptoms of Exposure:</b>			
<b>Ampule 1</b>	<b>Ampule 2</b>	<b>Ampule 3</b>	
<b>Acute Overexposure:</b> May cause skin and eye irritation	<b>Acute Overexposure:</b> Irritation of eyes, nose and throat. Splashes in the eyes or on the skin will cause severe burns. Inhalation of acid vapor may be injurious to the lungs	<b>Acute Overexposure:</b> <b>Inhalation</b> – Acts as a relatively potent anesthetic. Irritates respiratory tract and causes central nervous system effects, including headache, drowsiness, dizziness. Exposure to higher concentrations may result in unconsciousness and even death. May cause liver injury and blood disorders. Prolonged exposure may lead to death due to irregular heartbeat and kidney and liver disorders. <b>Ingestion</b> – Causes severe burning in mouth and throat, pain in the chest and vomiting. Large quantities may cause symptoms similar to inhalation. <b>Skin Contact</b> - Causes skin irritation resulting in redness and pain, Removes natural oils. May be absorbed through skin. <b>Eye Contact</b> - Vapors cause pain and irritation to eyes. Splashes may cause severe irritation and possible eye damage.	
<b>Chronic Overexposure:</b> May cause dermatitis or dryness of skin. May irritate existing skin disorders.	<b>Chronic Overexposure:</b> Repeated or prolonged exposure to dilute solutions of acid may cause irritation of the skin. Repeated or prolonged exposure to mists or vapors of acid may cause erosion of teeth, chronic irritation of the eyes, or chronic inflammation of the nose, throat and bronchial tubes.	<b>Chronic Overexposure:</b> Prolonged or repeated exposure to vapors may cause damage to the nervous system, the heart and the liver and kidneys. Contact with liquid has defatting effect and may cause chronic irritation of skin with cracking and drying, and corresponding dermatitis. Chloroform is a suspected human carcinogen.	
<b>Medical Conditions Generally Aggravated by Exposure:</b> Impaired pulmonary function, pre-existing eye problems, pre-existing skin disorders may be aggravated by exposure.			
<b>Chemical/Component Listed as Carcinogen or Potential Carcinogen</b> Chloroform (CHCl <sub>3</sub> )	<b>NTP</b> Yes	<b>IARC</b> Yes	<b>OSHA</b> No
<b>Other Exposure Limits:</b> Chloroform: 2ppm (9.78 mg/m <sup>3</sup> ) 60 minute ceiling. NIOSH			
<b>Emergency &amp; First Aid Procedures:</b> In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If chloroform is swallowed, if conscious, induce vomiting and repeat until fluid is clear. If acid is swallowed, if conscious, give tap water, milk of magnesia, give eggs beaten with water, DO NOT GIVE EMETICS.			
SECTION 6 – REACTIVITY DATA			
<b>Stability</b>	Stable		
<b>Conditions to Avoid</b>	Not Determined		
<b>Incompatibility (Material to Avoid)</b>	Hydrochloric acid reacts with metals to produce hydrogen gas. Iron and aluminum are readily corroded by HCl. Chloroform is incompatible with excess water and strong alkalis. Acid contact with any alkali or active metal may develop enough heat to cause fire in adjacent combustible materials.		
<b>Hazardous Decomposition Products</b>	Toxic gases and vapors may be released when acid or chloroform decomposes such as hydrogen chloride and phosgene.		
<b>Hazardous Polymerization</b>	Will not occur		
<b>Conditions to Avoid</b>	Not applicable for polymerization		

**SECTION 7 – SPILL OR LEAK PROCEDURES**

<b>Steps to be taken in case material leaks or spills</b>	Wear protective equipment. Ventilate area. Cover minor HCl spills with sodium carbonate. Add water if necessary to form slurry. Scoop up slurry. Alternatively use J. T. Baker's Acid Spill Cleanup Kit (Product No. 4442). Chloroform: Eliminate all sources of ignition. Absorb on powdered charcoal (J. T. Baker's Flammable Solvents Spill Clean Up Kit No. 4437).
<b>Waste Disposal Method</b>	Dispose of wastes in accordance with Federal, State and Local Codes. Absorbed flammable materials or chlorinated solvent should be disposed as a hazardous waste.

**SECTION 8 – PERSONAL PROTECTIVE INFORMATION**

<b>Respiratory Protection</b>	Respiratory protection is not required under normal and intended uses. Self-contained breathing apparatus required during fire fighting and spill clean up.
<b>Ventilation</b>	Room ventilation is expected to be adequate except during spills or fires.
<b>Protective Gloves</b>	Required when potential for contact exists.
<b>Eye Protection</b>	Required when possibility of contact exists.
<b>Other Protective Clothing or Equipment</b>	An eye wash fountain and safety shower should be readily available where the potential for contact exists.

**SECTION 9 – SPECIAL PRECAUTIONS**

Precautions to be taken in handling and storing	Store and handle according to packaging instructions. Store in cool, well-ventilated area. Keep away from reactive materials
Other precautions	Do not get in eyes on skin or on clothing. Avoid breathing vapor. Wash thoroughly after handling. Be prepared to neutralize and/or absorb spilled material.

**SECTION 10 – TRANSPORTATION IDENTIFICATION**

DOT – Carton of Case: “This package conforms to 49 CFR 173.4” CAS# - 581-5, 7647-01-0, 67-66-3	
IATA – Dangerous Goods in Accepted Quantity. Label Class	
ID Numbers:	UN 1789      8 UN 1888      6.1

**SECTION 11 – TOXICOLOGICAL DATA**

To the best of our knowledge, the toxicological effects of this product have not been thoroughly investigated.
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**SECTION 12 – ECOLOGICAL DATA**

To the best of our knowledge, the ecological effects of this product have not been thoroughly investigated.
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