



## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME:</b> Test I - #6089		<b>DATE:</b> October 01, 2008	
<b>PRODUCT NUMBER(S):</b> 6089			
TRADE NAME: Test I - #6089 GENERAL USE: Drugs testing CHEMICAL FAMILY: Nitrite/Acid Solution			
<b>PRODUCT DESCRIPTION:</b> Clear, pale tan liquid with low odor.			
<b>MANUFACTURED FOR:</b> <b>Safariland LLC</b>		<b>DATE PREPARED:</b> October 1, 2008 <b>SUPERSEDES:</b> April 15, 2008	
<b>ADDRESS (NUMBER, STREET, P.O. BOX)</b> 13386 International Parkway		<b>TELEPHONE NUMBER FOR INFORMATION / Customer Service</b> 904-741-5400	
<b>(CITY, STATE AND ZIP CODE)</b> Jacksonville, FL 32218		<b>CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER</b>  1-800-255-3924      01-813-248-0585 North America Toll Free      International	
<b>COUNTRY</b> USA			

## SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
<b>Sodium Nitrite</b>	<b>2-8</b>	<b>7632-00-0</b>	<b>231-555-9</b>	<b>(+T)</b>	<b>R25</b>
<b>Sulfuric Acid</b>	<b>&gt;90</b>	<b>7664-93-9</b>	<b>231-639-5</b>	<b>(+C)</b>	<b>R35</b>

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

## SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**  
 Highly corrosive liquid. Both liquid and vapors can cause serious damage to tissues. Avoid strong bases and organic compounds. Sodium Nitrite is a potent oxidizer. Sulfuric Acid reacts with many compounds, releasing heat.

### POTENTIAL HEALTH EFFECTS

**INHALATION:**

Inhalation of vapors may cause severe respiratory irritation, headache, and nausea. Chronic exposure may cause respiratory damage.

**SKIN:**

Product is highly corrosive, and may seriously burn skin. Use proper gloves and clothing while working with product. Third degree burns can occur, with permanent scarring.

**EYES:**

Liquid or vapor may cause severe burns and ulcerations. Use safety glasses; use of a face shield is advisable. Product can cause irreversible damage to eyes.

**INGESTION:**

Product is highly corrosive; ingestion can lead to severe injury, including death. Serious burning of stomach, esophageal tract, throat, and mouth may occur. Damage may be irreversible. Extreme pain will occur.

**CARCINOGENICITY:**

NTP? **No**                                      IARC MONOGRAPHS? **No**                                      OSHA REGULATED? **No**  
 CALIFORNIA, Prop.65?                      **No**

## SECTION 4 - FIRST AID MEASURES

**INHALATION:**

Place victim in well-ventilated area. If victim is not breathing, perform artificial respiration. Seek immediate medical attention.

**EYES:**

Material can cause severe eye irritation and burns. Flush eyes with a large quantity of water for a minimum of 15 minutes, then seek immediate medical attention. Do not medicate with "over-the-counter" eye products.

**SKIN:**

Product is corrosive and will damage skin and tissues. Use of appropriate gloves and thorough hand-washing with hand cleanser is required. Remove contaminated clothing and rinse thoroughly. If skin is damaged or severely irritated, seek medical help. Safety Showers are highly recommended for use of this product.

**INGESTION:**

Product is highly corrosive; ingestion can lead to severe injury, including death. If victim is able to swallow, give water, then seek immediate medical help.

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## SECTION 5 - FIRE FIGHTING MEASURES

**GENERAL HAZARDS:**  
 Material is generally non-flammable, but heated material can generate corrosive vapors and toxic fumes.

**EXTINGUISHING MEDIA:**  
 Choose media to fight surrounding fire.

**FIRE FIGHTING PROCEDURES:**  
 Water may be used to dilute and cool product to reduce the risk of toxic and corrosive vapors. Self-contained breathing apparatus is required.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
 Toxic and corrosive fumes and/or vapors may form. Self-contained breathing apparatus is required. Decontamination of fire-fighting gear may be needed.

**HAZARDOUS COMBUSTION PRODUCTS:**  
 May produce fumes containing nitrogen oxides, which are toxic. Self-contained breathing apparatus is required for fire-fighting purposes.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**  
 AVOID BREATHING VAPORS. Sequester leak or spill. Use sand, sodium carbonate, or kaolin to absorb spill. Do not discharge into waterways or sewer systems.

## SECTION 7 - HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**  
 Store in cool, dry, place.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>	TLV/TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>
<b>Sodium Nitrite</b>					<b>0.2</b>			
<b>Sulfuric Acid</b>		<b>1</b>			<b>0.2</b>			<b>1</b>

**PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**  
 Generally not needed, as ampoules are small and used immediately. Use approved NIOSH respirator if TLV levels are exceeded.

**PROTECTIVE GLOVES:**  
 Wear protective gloves while working with product.

**EYE PROTECTION:**  
 Chemical goggles are required to prevent potential eye contact, irritation or injury.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**  
 Wear appropriate protective clothing and boots as required to prevent skin contact.

**WORK / HYGIENIC PRACTICES:**  
 Use good industrial hygiene.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE AND ODOR</b> Clear, pale tan liquid with low odor.	<b>VAPOR PRESSURE</b> <1 mm Hg
pH <1.0	<b>SPECIFIC GRAVITY (WATER = 1)</b> ~1.7-1.9 (Sulfuric Acid)
<b>BOILING POINT / BOILING RANGE</b> 280°C (536°F)	<b>SOLUBILITY IN WATER</b> Complete
<b>FLASH POINT</b> 340°C (644°F)	<b>VISCOSITY</b> N/D
<b>FLAMMABLE LIMITS</b> LEL: N/D UEL: N/D	<b>VAPOR DENSITY (AIR = 1)</b> 1.2
<b>AUTO-IGNITION TEMPERATURE</b> NE	<b>EVAPORATION RATE (WATER = 1)</b> N/D

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## SECTION 10 - STABILITY AND REACTIVITY

STABILITY	STABLE	<b>X</b>	CONDITIONS TO AVOID: <b>Extreme Heat (above 120°F)</b>
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INCOMPATIBILITY (MATERIALS TO AVOID):  
**Alkalis, metals, halogenated salts (fluorides, chlorides, bromides, iodides, chlorates, perchlorates, etc.), organic compounds, water (will generate heat).**

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:  
**Sulfur compounds.**

HAZARDOUS POLYMERIZATION: <b>Will Not Occur.</b>	CONDITIONS TO AVOID: <b>None Related to Polymerization.</b>
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## SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
<b>Sodium Nitrite</b>	<b>7632-00-0</b>	<b>180 mg/kg (ORAL, RAT)</b>	<b>5500 µg/m3 / (INHALATION, RAT)</b>
	<b>231-555-9</b>		
<b>Sulfuric Acid</b>	<b>7664-93-9</b>	<b>350 mg/kg (ORAL, RAT)</b>	<b>320 mg/m3 / 2 Hours (INHALATION, MOUSE)</b>
	<b>231-639-5</b>		

## SECTION 12 - ECOLOGICAL INFORMATION

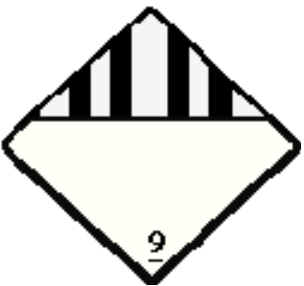
Toxic to aquatic organisms.

## SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:  
 Do not dispose into waterways or sewers. Waste may be considered hazardous; the user has the responsibility of compliance with federal, state, and local regulations concerning waste disposal. Obey federal, state, and local laws regarding storage of flammable wastes.

## SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: **Chemical Kit, UN 3316 (Contains Sulfuric Acid)**

DOT HAZARD CLASS / Pack Group: <b>9 / III</b> REFERENCE: UN / NA IDENTIFICATION NUMBER: <b>3316</b> LABEL: <b>Other Materials (9)</b> HAZARD SYMBOLS: <div style="text-align: center; margin-top: 20px;">  </div>	IATA HAZARD CLASS / Pack Group: <b>9 / Group III</b> IMDG HAZARD CLASS: <b>9</b> RID/ADR Dangerous Goods Code: <b>9</b> UN TDG Class / Pack Group: <b>9 (Pack Group III)</b> Hazard Identification Number (HIN): <b>90</b>
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Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.



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## SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): **Yes -**  
 SARA TITLE III (USA - Superfund Amendments and Reauthorization Act): **Yes - 302 and 313 (Sulfuric Acid)**  
 Acute Health: **Yes** Chronic Health: **Yes**  
 Fire: **No** Sudden Release of Pressure: **No**  
 Reactive: **Yes**

**313 REPORTABLE INGREDIENTS:** **Yes - Sulfuric Acid**  
 CERCLA (USA - Comprehensive Response Compensation and Liability Act): **Yes - Sulfuric Acid**  
 California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **No**  
 CCPR (Canadian Controlled Products Regulations): **Yes - Corrosive (Section 65, Class E)**  
 CIDL (Canadian Ingredient Disclosure List): **Yes - Sulfuric Acid**  
 CDSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): **Referenced on CDSL**  
 EINECS (European Inventory of Existing Commercial Chemical Substances): **Referenced.**  
 WGK Water Quality Index: **2**


RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:
<b>R25 : Toxic if swallowed.</b> <b>R35 : Causes severe burns.</b>	 <b>(+C) - CORROSIVE</b>   <b>(+T) - TOXIC</b>	<b>S1/2 : Keep locked up and out of the reach of children.</b> <b>S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</b> <b>S30 : Never add water to this product.</b> <b>S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).</b>

## SECTION 16 - OTHER INFORMATION

**Legend**  
 N/A = Not applicable N/E = Not Established  
 N/D = Not Determined N/R = Not Reported

HMIS HAZARD RATINGS	HEALTH:	<b>3</b>	0 = INSIGNIFICANT
	FLAMMABILITY:	<b>0</b>	1 = SLIGHT
	PHYSICAL HAZARD:	<b>3</b>	2 = MODERATE
	PERSONAL PROTECTIVE EQUIPMENT:	<b>C</b>	3 = HIGH
			4 = EXTREME

**REVISION SUMMARY:**  
 Revised 24 September 2008 for GHS purposes, Supersedes document from 26 September 2000. LB

<b>MSDS Prepared by:</b> ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com	
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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 manufacturer 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.