



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME:</b> Blood Alcohol Collection Kit		<b>DATE:</b> August 01, 2011	
<b>PRODUCT NUMBER:</b> 4995-1 (1005823)			
<b>TRADE NAME:</b> Blood Alcohol Collection Kit <b>GENERAL USE:</b> Cocaine Identification <b>CHEMICAL FAMILY:</b> Collection kit for blood alcohol - enzyme inhibitor <b>PRODUCT DESCRIPTION:</b> Blood Collection tube - contains white crystals or powder.			
<b>MANUFACTURER:</b> Safariland LLC		<b>DATE PREPARED:</b> August 1, 2011	
<b>ADDRESS (NUMBER, STREET, P.O. BOX):</b> 13386 International Parkway		<b>SUPERSEDES:</b> September 2, 2008	
<b>(CITY, STATE AND ZIP CODE):</b> Jacksonville, FL. 32218		<b>TELEPHONE NUMBER FOR INFORMATION / Customer Service:</b> 800-347-1200	
<b>COUNTRY:</b> USA		<b>CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER</b>  1-800-255-3924      01-813-248-0585 North America Toll Free      International	

## SECTION 2 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**  
 Product is toxic and corrosive. Tube is designed to be used as a sealed unit. This product should only be used by personnel trained in aseptic blood collection techniques and only with the appropriate tube holders and needles.

**POTENTIAL HEALTH EFFECTS**

**INHALATION:**  
 Not a likely route of exposure. Product is harmful and potentially fatal. Nausea, vomiting, and severe irritation of respiratory system may occur.

**SKIN:**  
 Not a likely route of exposure. Irritation and/or burns may occur with exposure.

**EYES:**  
 Not a likely route of exposure. Irritation and/or burns may occur with exposure.

**INGESTION:**  
 Product is toxic and may be fatal. Headache, nausea, gastro-intestinal distress, vomiting, convulsions, burns to mucous membranes, coma and death may result. Ingestion of product requires immediate medical attention.

**CARCINOGENICITY:**  
 NTP? **NO**      IARC MONOGRAPHS? **NO**      OSHA REGULATED? **NO**  
 CALIFORNIA, Prop.65? **NO**

## SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
<b>Sodium Fluoride</b>	<b>5.7-115mg</b>	<b>7681-49-4</b>	<b>231-667-8</b>	<b>T</b>	<b>R25, R32, R36/38</b>
<b>Potassium Oxalate</b>	<b>4.8-46.0 mg</b>	<b>6487-48-5</b>	<b>209-506-8</b>	<b>Xn</b>	<b>R21/22</b>

Notes:

## SECTION 4 - FIRST AID MEASURES

**INHALATION:**  
 Remove victim to fresh air, providing oxygen or artificial respiration if needed. Seek medical attention promptly.

**EYES:**  
 Flush with water for 15 minutes. Seek emergency medical help.

**SKIN:**  
 Rinse with copious amounts of water. Wash with soap and water and launder contaminated clothing before re-use.

**INGESTION:**  
**INDUCE VOMITING!** Give large quantities of water to drink and call a physician immediately.

## SECTION 5 - FIRE FIGHTING MEASURES

**GENERAL HAZARDS:**  
 Non-flammable product. Decomposition may result in toxic fumes.

**EXTINGUISHING MEDIA:**  
 Select media to combat surrounding fire.

**FIRE FIGHTING PROCEDURES:**  
 Emergency responders should wear bunker gear and Self-Contained Breathing Apparatus (SCBA). Proper eye and skin protection should also be used. Water spray can be used to cool equipment and reduce vapors.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
 Ignition may produce highly toxic fumes

**HAZARDOUS COMBUSTION PRODUCTS:**  
 Carbon Oxides and fluorinated substances.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Mix with inert material to contain spill. Place in appropriate receptacle.

## SECTION 7 - HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Do not store above 120°F. Keep away from strong acids. DO NOT STORE IN GLASS!!!

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	STEL ppm	PEL mg/m3
<b>Sodium Fluoride</b>		<b>2.5</b>				<b>2.5</b>		<b>2.5</b>
<b>Potassium Oxalate</b>		<b>NE</b>		<b>NE</b>		<b>NE</b>		<b>NE</b>

### PERSONAL PROTECTION

**RESPIRATORY PROTECTION:**

Generally not required. For usage in immuno-compromised people or people with a communicable illness, use a sterile face mask.

**PROTECTIVE GLOVES:**

Gloves are ESSENTIAL for use of this product, and are required under CLIA 88 rules.

**EYE PROTECTION:**

ALWAYS USE EYE PROTECTION WHEN PERFORMING ANY BLOOD COLLECTION TECHNIQUE!!!!

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

None

**WORK / HYGIENIC PRACTICES:**

Do not smoke, eat, or drink while using this product. Immediately wash hands with JCAHO-approved anti-microbial skin wash BEFORE AND AFTER blood draws.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE AND ODOR</b> Tube containing white crystals or powder.	<b>VAPOR PRESSURE</b> NE
pH NA	<b>SPECIFIC GRAVITY (WATER = 1)</b> 2.78
<b>BOILING POINT / BOILING RANGE</b> NE	<b>SOLUBILITY IN WATER</b> Soluble
<b>FLASH POINT</b> NE	<b>VISCOSITY</b> NA
<b>FLAMMABLE LIMITS</b> LEL: NE UEL: NE	<b>VAPOR DENSITY (AIR = 1)</b> NE
<b>AUTO-IGNITION TEMPERATURE</b> NE	<b>EVAPORATION RATE (WATER = 1)</b> NE

## SECTION 10 - STABILITY AND REACTIVITY

<b>STABILITY</b> STABLE X	<b>CONDITIONS TO AVOID:</b> Excessive heat, acidic environments
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**INCOMPATIBILITY (MATERIALS TO AVOID):**

Strong acids

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:**

Fluorinated substances

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**CONDITIONS TO AVOID:**

None related to polymerization.

## SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
<b>Sodium Fluoride</b>	7681-49-4 231-667-8	LD50=31mg/kg (oral, rat) LD50=44mg/kg (oral, mouse)	NE
<b>Potassium Oxalate</b>	6487-48-5 209-506-8	NE	NE

## SECTION 12 - ECOLOGICAL INFORMATION

No ecological information is available for this product.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:**

Dispose of product waste as well as containers in accordance with all local, state and federal regulations.

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## SECTION 14 - TRANSPORT INFORMATION

<b>PROPER SHIPPING NAME:</b> Not Regulated* (USA Ground), Chemical Kit UN 3316 (Intl./Air/Sea)	
<b>DOT HAZARD CLASS / Pack Group:</b> Not Regulated	<b>IMDG HAZARD CLASS:</b> 9
<b>REFERENCE:</b>	<b>RID/ADR Dangerous Goods Code:</b> 9
<b>UN / NA IDENTIFICATION NUMBER:</b> 2922	<b>TDG Dangerous Goods Code:</b> 9
<b>LABEL:</b> Miscellaneous Materials (9)	<b>Hazard Identification Number (HIN):</b> 90
<b>HAZARD SYMBOLS:</b>	<b>IATA HAZARD CLASS / Pack Group:</b> 9 / II
	<b>* - Excepted Quantity under 49CFR173.4(b) for ground and rail shipments in the USA only.</b>

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.

## SECTION 15 - REGULATORY INFORMATION

<b>TSCA (USA - Toxic Substance Control Act):</b>	Components Listed.
<b>SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):</b>	NO
Acute Health: YES	Chronic Health: NO
Fire: NO	Sudden Release of Pressure: NO
Reactive: NO	
<b>313 REPORTABLE INGREDIENTS:</b>	No
<b>CERCLA (USA - Comprehensive Response Compensation and Liability Act):</b>	Not listed.
<b>California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:</b>	Not listed.
<b>State Right to Know: Sodium fluoride: MA,NJ,PA, RI; Potassium oxalate: NJ,PA</b>	
<b>CPR (Canadian Controlled Products Regulations):</b>	Not listed
<b>IDL (Canadian Ingredient Disclosure List):</b>	Listed.
<b>DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):</b>	Components listed on DSL.
<b>EINECS (European Inventory of Existing Commercial Chemical Substances):</b>	Referenced.
<b>WGK Water Quality Index:</b>	3

RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:
<b>R21/22: Harmful in contact with skin and if swallowed.</b> <b>R25 : Toxic if swallowed.</b> <b>R32 : Contact with acids liberates very toxic gas.</b> <b>R36/38 : Irritating to eyes and skin.</b>	<b>T-TOXIC</b> 	<b>S1/2 : Keep locked up and out of the reach of children.</b> <b>S22 : Do not breathe dust.</b> <b>S24/25: Avoid contact with skin and eyes.</b> <b>S36 : Wear suitable protective clothing.</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:** NA= Not applicable, NE= Not established, ND= Not determined.

<b>HMIS HAZARD RATINGS</b>	<b>HEALTH:</b> <b>FLAMMABILITY:</b> <b>PHYSICAL HAZARD:</b> <b>PERSONAL PROTECTIVE EQUIPMENT:</b>	<b>3</b> <b>0</b> <b>1</b> <b>B</b>	0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
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**REVISION SUMMARY:**  
 Revised to E.U. protocols 8/1/2011 supersedes 9/2/2008 issue.LB/JTV

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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.