



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Test M		DATE: April 20, 2012	
PRODUCT NUMBER(S): 800-6082 (1006160)		DATE: April 20, 2012	
TRADE NAME: Test M GENERAL USE: Methaqualone Test CHEMICAL FAMILY: Cobalt(II)Salt, Acid Combination PRODUCT DESCRIPTION: 1st Ampoule – Pink liquid; 2nd Ampoule – Clear and colorless; 3rd Ampoule - Colorless liquid with a heavy Ethereal odor			
MANUFACTURED FOR: Safariland LLC		DATE PREPARED: April 20, 2012	
ADDRESS (NUMBER, STREET, P.O. BOX) 13386 International Parkway		SUPERSEDES: October 13, 2008	
(CITY, STATE AND ZIP CODE) Jacksonville, FL 32218		TELEPHONE NUMBER FOR INFORMATION / Customer Service 800-347-1200	
COUNTRY USA		CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER  1-800-255-3924 01-813-248-0585 North America Toll Free International	

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Small quantity of corrosive and toxic liquids. Inhalation may lead to respiratory irritation and/or drowsiness. Harmful/toxic/corrosive if swallowed.

POTENTIAL HEALTH EFFECTS

INHALATION:
Irritating by inhalation. Vapors may cause drowsiness or dizziness.

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 2 chemicals. Drying of skin and defatting of skin can lead to dermatoses upon repeated exposure to Ampoule 3 contents - Irritates exposed skin.

EYES:
Chronic irritation of eyes, corneal burns are possible with exposure to Phosphoric Acid (Ampoule 2).

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

CARCINOGENICITY:
 NTP? **Yes CAS#67-66-3** IARC MONOGRAPHS? **Yes CAS#67-66-3 (Chloroform)** OSHA REGULATED? **No**
 CALIFORNIA, Prop.65? **Yes CAS#67-66-3 (Chloroform =Carcinogen)** ESIS? **Yes #67-66-3 =Carcinogen**

SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Cobalt (II) Thiocyanate, 1st Ampoule	1-2	3017-60-5	221-156-8	Xn	R20/21/22, R32
Glycerol, 1st Ampoule	40-50	56-81-5	200-289-5	None	None
Phosphoric Acid, 2nd Ampoule	>90	7664-38-2	231-633-2	C	R34
Chloroform, 3rd Ampoule	>90	67-66-3	200-663-8	Xn	R22,R38,R40, R48/20/22

Notes: **WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.** 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, do not induce vomiting. Call a physician immediately.

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SECTION 5 - FIRE FIGHTING MEASURES								
GENERAL HAZARDS: Phosphoric Acid, 2nd Ampoule is corrosive to many metals with evolution of flammable Hydrogen gas, and emits toxic and irritating gases when involved in a fire. Cobalt Thiocyanate may emit toxic cyanide and cobalt fumes in a fire. Heating of Chloroform may result in highly toxic phosgene gas, and well as organochlorine compounds.								
EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.								
FIRE FIGHTING PROCEDURES: None applicable, not flammable.								
UNUSUAL FIRE AND EXPLOSION HAZARDS: Under fire conditions wearing NIOSH/MSA or European EN-149 approved SCBA's or acid gas=organic vapor respirators is required. Fumes emitted from heated product are toxic and corrosive.								
HAZARDOUS COMBUSTION PRODUCTS: Hydrogen Cyanide gas, phosphorous compounds, sulfur oxides, and organic vapors.								
SECTION 6 - ACCIDENTAL RELEASE MEASURES								
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear protective equipment; ventilate area; cover a Phosphoric Acid spill with sodium carbonate. 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								
	NIOSH			ACGIH		OSHA		
HAZARDOUS COMPONENTS	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Cobalt (II) Thiocyanate, 1st Ampoule	NE			NE		0.02		0.02
Glycerol, 1st Ampoule	NE			NE		10		15
Phosphoric Acid, 2nd Ampoule		1		3		1		1
Chloroform, 3rd Ampoule	10			500 IDLH	10		50	240
PERSONAL PROTECTION								
RESPIRATORY PROTECTION: NIOSH/MSA or European EN-149 approved respirator for a minor Phosphoric Acid or Chloroform spill clean-up.								
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 neutralize and absorb spilled acid.								
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES								
APPEARANCE AND ODOR 1st Ampoule – Pink liquid; 2nd Ampoule – Clear and colorless; 3rd Ampoule - Colorless liquid with a heavy Ethereal odor				VAPOR PRESSURE NE				
VOC NE Volatility NE				SPECIFIC GRAVITY (WATER = 1) 1.255 - 1st Ampoule. 1.69 - 2nd Ampoule. 1.49 - 3rd Ampoule.				
BOILING POINT / BOILING RANGE NE				SOLUBILITY IN WATER Soluble - Ampoules 1&2, Slight - Ampoule 3.				
FLASH POINT NE				VISCOSITY NA				
FLAMMABLE LIMITS LEL: NE UEL: NR				VAPOR DENSITY (AIR = 1) NE				
AUTO-IGNITION TEMPERATURE NR				EVAPORATION RATE BUTYL ACETATE = 1) NE				

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SECTION 10 - STABILITY AND REACTIVITY			
STABILITY	STABLE	X	CONDITIONS TO AVOID: Excessive heat, light exposure, contact with incompatible materials.
INCOMPATIBILITY (MATERIALS TO AVOID): Avoid strong alkalis, strong oxidizers, and bleaching materials.			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Hydrogen Chloride gas, Hydrogen Cyanide gas, phosgene, other organo-halogens, sulfur oxides, and organic vapors.			
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)
Cobalt (II) Thiocyanate, 1st Ampoule	3017-60-5	NE	NE
	221-156-8		
Glycerol, 1st Ampoule	56-81-5	Oral, rat: LD50 = 12600 mg/kg.	Inhalation, rat: LC50 = >570 mg/m ³ /1H.
	200-289-5		
Phosphoric Acid, 2nd Ampoule	7647-01-0	Oral, rat: LD50 = 1250 mg/kg.	Inhalation, rat: LC50 = 25.5 mg/m ³
	231-595-7		
Chloroform, 3rd Ampoule	67-66-3	Oral, rat: LD50 = 695 mg/kg; Oral, mouse: LD50 = 36 mg/kg.	Inhalation, rat: LC50 = 6000 mg/m ³ /6H.
	200-663-8		
SECTION 12 - ECOLOGICAL INFORMATION			
Harmful to environment in large quantities. Chloroform may bioaccumulate in soil, water, and organisms.			
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:		Class8(6.1) with Excepted Qty. marking on package. No class 8 or 6.1 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 UN 1888 Chloroform and UN 1805 Phosphoric Acid - Overall Exempted Qty. E1)	
CLASS/ PACK GROUP/ LABELING:		Class8(6.1) with Excepted Qty. marking on package. No class 8 or 6.1 label required.	
NOTES: This product is exempt from other labeling and waybill requirements.			
OCEAN SHIPMENTS (IMDG):			
PROPER SHIPPING NAME:		None	
CLASS/ PACK GROUP/ LABELING:		Class8(6.1) with Excepted Qty. marking on package. No class 8 or 6.1 label required.	
NOTES: Shipping Paper required with statement "Dangerous Goods in Excepted Quantities" and number of packages.			
ALL SHIPMENTS EXCEEDING EXCEPTED 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.			
<p>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.</p> <p>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</p>			



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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: **No** Sudden Release of Pressure: **No**
 Reactive: **No**



313 REPORTABLE INGREDIENTS: **This material contains Cobalt II Thiocyanate and Chloroform which are 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): **No**
 California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **This product contains chemicals known to the State of California to cause cancer: Chloroform.**

State Right to Know: **Cobalt II Thiocyanate: NJ,PA ; Phosphoric Acid: MA,NJ,PA.; Chloroform: CA, ILL, MA,MN, NJ, PA, RI.**

CIDL (Canadian Ingredient Disclosure List): **Chloroform is listed.**
 CDSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): **Listed 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:
<p>R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. R23: Toxic by inhalation. R32: Contact with acids liberates very toxic gas. R35: Causes severe burns. R37: Irritating to respiratory system. R38: Irritating to skin. R40: Limited evidence of carcinogenic effect. R48/20/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.</p>	 (+Xn): Harmful  (+C): Corrosive	<p>S1/2: Keep locked up and out of the reach of children. S9: Keep container in a well ventilated place. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39: Wear suitable protective clothing, gloves and eye/face protection. S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).</p>

SECTION 16 - OTHER INFORMATION

Legend:

NA = Not Applicable	ND = Not Determined	NE = Not Established	NR = Not Reported
<p>HMIS HAZARD RATINGS</p>	<p>HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:</p>	<p>3 0 2 B</p>	<p>0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME</p>

REVISION SUMMARY:
 Revised 4/20/2012.

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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.