



SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Test Q		DATE: April 20, 2012	
PRODUCT NUMBER(S): 800-9085 (1006163)			
TRADE NAME: Test Q – Ephedrine Order No. 6085 GENERAL USE: Presumptive Test Kit for Ephedrine. CHEMICAL FAMILY: Copper Salt+Isopropyl Amine in Methanol. PRODUCT DESCRIPTION: 1st Ampoule – Clear, aqua liquid with vinegar odor first ampoule. Clear, colorless liquid second ampoule.			
MANUFACTURED FOR: Safariland LLC		DATE PREPARED: April 20, 2012 SUPERSEDES: August 1, 2011	
ADDRESS (NUMBER, STREET, P.O. BOX) 13386 International Parkway		TELEPHONE NUMBER FOR INFORMATION / Customer Service 800-347-1200	
(CITY, STATE AND ZIP CODE) Jacksonville, FL 32218		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
 Flammable liquid and vapors. Toxic if swallowed; may cause blindness. Cannot be made non-poisonous. Vapors may cause irritation and drowsiness or dizziness.

POTENTIAL HEALTH EFFECTS

INHALATION:
 Irritation of throat. Inhalation of acid vapors and or Isopropylamine may be injurious to the lungs and with repeated inhalation chronic irritation/inflammation of nose, throat, and bronchial tubes. Isopropylamine irritates mucous membranes and respiratory tract, and causes severe irritation, blisters, and burns on prolonged contact. Methanol causes Cough. Dizziness. Headache. Nausea. Weakness. Visual disturbance. May be harmful if inhaled.

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.

EYES:
 Chronic irritation of eyes, corneal burns are possible with exposure to Isopropylamine. (Ampoule 2). Methanol is toxic to eyes.

INGESTION:
 Severe irritation and ulceration of the gastrointestinal tract. Vomiting and diarrhea are also symptoms. Will cause CNS depression, kidney, liver and eye damage if ingested. Very toxic by ingestion! Shortness of breath. Vomiting. Convulsions. Unconsciousness. (Further see Inhalation).

CARCINOGENICITY:
 NTP? **No** IARC MONOGRAPHS? **No** OSHA REGULATED? **No**
 CALIFORNIA Prop. 65? **No** ESIS? **No**

SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Copper Sulfate, 1st Ampoule	1	7758-98-7	231-847-6	N+, Xn	R22, R42/43, R50/53
Glacial Acetic Acid, 1st Ampoule	1	64-19-7	200-580-7	C	R34
Methanol, 2nd Ampoule	>90	67-56-1	200-659-6	F, T	R11, R23/24/25, R39/23/24/25.
Isopropylamine, 2nd Ampoule	1-10	75-31-0	200-860-9	F+, Xi	R12, R36/37/38

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

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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 victim is able to swallow, give water, then seek immediate medical help. Do not induce vomiting.

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:

Acetic Acid, 1st Ampoule is corrosive to reactive metals such as aluminum and magnesium with evolution of flammable hydrogen gas. Isopropylamine emits toxic and irritating gases when involved in a fire.

EXTINGUISHING MEDIA:

Use extinguishing media such as water, foam, CO2 or dry chemical for Methanol and Isopropylamine.

FIRE FIGHTING PROCEDURES:

Use NIOSH/MSA or European EN-149 approved respirators rated for acid gases Ampoule 1 or strong bases such as ammonia for Ampoule 2 fires, or SCBA equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Under fire conditions wearing NIOSH/MSA or European EN-149 approved respirators or SCBA's is required.

HAZARDOUS COMBUSTION PRODUCTS:

Acid contact with most metals corrodes them severely and forms flammable Hydrogen gas. Contact of acid gas or liquid with any alkali or active metal may develop enough heat to cause a fire in adjacent combustible material.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

Wear protective equipment; ventilate area; cover an Acetic Acid spill with sodium carbonate. Add water if necessary to form a slurry. Scoop up slurry. Can use ODV part number 910 soda ash. For Isopropylamine (ampoule 2), eliminate sources of ignition, absorb on paper towels or vermiculite and dispose as hazardous waste.

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 and sources of ignition. Avoid breathing Isopropylamine / Methanol vapor and prevent vapor accumulation in enclosed areas.

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	STEL mg/m3
Methanol, 2nd Ampoule	200		6000 IDLH		200		200	
Copper Sulfate, 1st Ampoule		1	NE	100 IDLH	NE	NE	NE	NE
Acetic Acid, 1st Ampoule	10		50 IDLH		10		10	25
Isopropylamine, 2nd Ampoule	5		750 IDLH		5		5	12

PERSONAL PROTECTION

RESPIRATORY PROTECTION:

NIOSH/MSA or European EN-149 approved acid gas respirator for a minor Acetic Acid spill clean-up or a NIOSH/MSA or European EN-149 approved ammonia vapor respirator for minor Isopropylamine spills.

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, and to clean up toxic Isopropylamine.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES			
APPEARANCE AND ODOR 1st Ampoule – Clear, aqua liquid with vinegar odor first ampoule. Clear, colorless liquid second ampoule.		VAPOR PRESSURE NE	
VOC NE Volatility NE		SPECIFIC GRAVITY (WATER = 1) NE	
BOILING POINT / BOILING RANGE 33-34°C Isopropylamine.		SOLUBILITY IN WATER Soluble	
FLASH POINT 50-60°F (10-15°C) Calculated		VISCOSITY NA	
FLAMMABLE LIMITS LEL: NE UEL: NE		VAPOR DENSITY (AIR = 1) 2	
AUTO-IGNITION TEMPERATURE NE		EVAPORATION RATE BUTYL ACETATE = 1) NE	
SECTION 10 - STABILITY AND REACTIVITY			
STABILITY STABLE X		CONDITIONS TO AVOID: Excessive heat, contact with incompatible materials, such as reactive metals, strong acids, and strong oxidizers.	
INCOMPATIBILITY (MATERIALS TO AVOID): Acid contact with most metals corrodes them severely and forms flammable Hydrogen gas. Contact of acid gas or liquid with any alkali or active metal may develop enough heat to cause a fire in adjacent combustible material.			
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Toxic gases and vapors (such as oxides of Nitrogen and Carbon Monoxide) may be released in a fire involving Isopropylamine.			
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)
Methanol, 2nd Ampoule	67-56-1	Oral LD50 Rat = 5,600mg/Kg. Oral LDLo Human = 143mg/kg.	Inhalation LD-Lo Human=300ppm.
	200-659-6		
Copper Sulfate, 1st Ampoule	7758-98-7	Oral, mouse: LD50 = 43 mg/kg. Oral, rat: LD50 = 300 mg/kg.	NE
	231-847-6		
Acetic Acid, 1st Ampoule	64-19-7	Oral, rat: LD50 = 3310 mg/kg.	Inhalation, mouse: LC50 = 5620 ppm/1H
	200-580-7		
Isopropylamine, 2nd Ampoule	75-31-0	Oral, rat LD50 = 111mg/kg.	Inhalation rat: LC50 = 4000ppm/4hour.
	200-860-9		
SECTION 12 - ECOLOGICAL INFORMATION			
Hamful to environment when released in large quantities. Product is readily biodegradable.			
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. Do not allow isopropylamine or isopropanol to enter a sewer because of the possibility of an explosion.			

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SECTION 14 - TRANSPORT INFORMATION

GROUND SHIPMENT WITHIN USA (DOT):

PROPER SHIPPING NAME: **None - Exempted Qty.**

CLASS/ PACK GROUP/ LABELING: **Class 3 (6.1) with Exempted Qty. marking on package. No class 3 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 UN1230 Methanol Solution - Exempted Qty. E2)**

CLASS/ PACK GROUP/ LABELING: **Class 3 (6.1) with Exempted Qty. marking on package. No class 3 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: **Class 3 (6.1) with Exempted Qty. marking on package. No class 3 or 6.1 label required.**

NOTES: **Shipping Paper required with statement "Dangerous Goods in Exempted 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.**



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	Reactive:	No
Fire:	Yes	Sudden Release of Pressure:	No		

313 REPORTABLE INGREDIENTS: This material contains Methanol CAS#67-56-1, Copper sulfate CAS#7758-98-7, 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): **CAS# 64-19-7: 5000 lb final RQ; 2270 kg final RQ. CAS# 67-56-1: 5000 lb final RQ; 2270 kg final RQ.**

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SECTION 15 - REGULATORY INFORMATION (Continued)

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **Methanol.**
 State Right to Know: **Methanol: ILL, MA, NJ, PA, RI; Copper Sulfate: MA, NJ, PA; Acetic Acid: MA,NJ,PA; Isopropyl Amine NJ,PA.**
 CIDL (Canadian Ingredient Disclosure List): **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 (overall 2 ampoules).**


RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:
<p>R11: Highly flammable. R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. R23: Toxic by inhalation. R34: Causes burns. R23/24/25: Toxic by inhalation, in contact with skin, and if swallowed. R36/38: Irritating to eyes and skin. R36/37/38: Irritating to eyes, respiratory system and skin. R42/43: May cause sensitization by inhalation and skin contact. R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p>	 Xn/Xi: Harmful/Irritant  C: Corrosive  F: Highly Flammable  N+: Dangerous for the environment	<p>S1: Keep out of the reach of children. S7: Keep container tightly closed. S9: Keep container in a well ventilated place. S16: Keep away from sources of ignition - No smoking. S23: Do not inhale gas/fumes/vapor/spray. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S29: Do not empty into drains. 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). S53: Avoid exposure - obtain special instructions before use. S61: Avoid release to the environment. Refer to special instructions/safety data sheets.</p>

SECTION 16 - OTHER INFORMATION

Legend: N/A = Not Applicable N/D = Not Determined N/E = Not Established N/R = Not Reported

HMS HAZARD RATINGS	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:	3 3 1 B	0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
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REVISION SUMMARY: Revised 4/20/2012. LB

<p>MSDS Prepared by: 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</p>	
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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.