

<b>NIK<sup>®</sup></b> Public Safety, Inc. 13386 International Parkway Jacksonville, FL 32218 (800) 773-8294	<b>Material Safety Data Sheet</b>  Test Q - # 6085
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**SECTION 1 – IDENTITY**

<b>Name:</b> Nik Public Safety	<b>Address:</b> 13386 International Parkway, Jacksonville, FL 32218
<b>Emergency Contact:</b> Chemtel <sup>®</sup> United States (800) 255-3924 International – 813-248-0585 (Collect)	
<b>Common Name (Used on Label):</b> Test Q – Ephedrine Order No. 6085	<b>Date Prepared:</b> July 30, 2002 <b>Chemical Family:</b> Does not apply
<b>Chemical Name:</b>	<b>Formula:</b> Mixture
<b>Trade Name &amp; Synonyms:</b> NIK (Narcotics Identification System) – Trademark of NIK Public Safety, Inc.	

**SECTION 2 – HAZARDOUS INGREDIENTS**

	Ampule 1		Ampule 2	
Hazardous Component	Copper Sulfate (CuSO <sub>4</sub> 5H <sub>2</sub> O), ASC	Glacial Acetic Acid (CH <sub>3</sub> COOH), ASC	Methanol, absolute - ASC	Isopropylamine
CAS#	7646-99-8	64-19-7	67-56-1	75-31-0
% (By Wt)	1%	1%	95.6%	4.4%
TLV	None	25 mg/m <sup>3</sup>	260 mg/m <sup>3</sup>	12 mg/m <sup>3</sup>
PEL	None	25 mg/m <sup>3</sup>	12 mg/m <sup>3</sup>	12 mg/m <sup>3</sup>

**SECTION 3 – PHYSICAL DATA**

	Ampule 1	Ampule 2
Boiling Point	100° C	64.5° C
Percent Volatile (by Vol)	98 @ 21° C	100
Solubility in Water	Complete	Complete
Vapor Density (Air=1)	Not applicable	1.1
Specific Gravity	1.003913	78.55164
Vapor Pressure (mm Hg)	17.5 @ 20° C	100 @ 21.2° C
Evaporation Rate	Not determined	5.9
Reactivity in Water	Not reactive	Not reactive
Appearance and Odor	Clear, aqua liquid with vinegar odor	Clear, colorless liquid

**SECTION 4 – FIRE AND EXPLOSION DATA**

Flash Point	11 ° C (methanol)
Extinguishing Media	“Alcohol” foam, powder, CO <sub>2</sub> (methanol)
Unusual Fire and Explosion Hazards	Ampule 1 – Not Determined Ampule 2 – Flammable liquid. Vapor may travel considerable distance to source of ignition and flash back. Methanol can react vigorously with oxidizing agents.
Flammable Limits in Air (% by Vol)	Lower – 6.7% (methanol) Upper – 36% (methanol)
Auto Ignition Temperature	385 ° C (methanol)
Special Fire Fighting Procedures	Use proper respiratory protection against fumes such as a self-contained breathing apparatus. Avoid inhalation of poisonous gases.

**SECTION 5 – HEALTH INFORMATION**

Primary Routes of Exposure	Inhalation, contact with eyes or skin.		
Signs and Symptoms of Exposure	Ampule 1		Ampule 2
Acute Overexposure	Irritation of eyes, nose, throat and skin is possible		Dizziness, blurring of vision, nausea cardiac depression, muscular incoordination and narcosis. Solvent action can dry the skin and cause dermatitis. Ingestion can produce blindness.
Chronic Overexposure	Methanol is a poisonous, narcotic chemical. Toxic effects are exerted upon the nervous systems. Especially the optic nerve.		
Medical Conditions Generally Aggravated by Exposure	Pre-existing eye problems and pre-existing skin disorders may be aggravated by exposure		
Chemical/Component Listed as Carcinogen or Potential Carcinogen	NTP – No	IARC – No	OSHA – No
Other Exposure Limits	Not determined		
Emergency & First Aid Procedures	In case of contact with the contents of either ampule, immediately flush eyes or skin with copious amounts of water for at least fifteen (15) minutes while removing contaminated clothes or shoes. If methanol is ingested, drink three (3) glass of milk, water or 4% sodium bicarbonate; obtain medical aid for gastric lavage.		

**SECTION 6 – REACTIVITY DATA**

Stability	Stable
Conditions to Avoid	Not determined
Incompatibility (Material to Avoid)	Ampule 2 Strong oxidizing agents such as nitrates, perchlorates or sulfuric acid
Hazardous Decomposition Products	Toxic gases and vapors (such as oxides of nitrogen and carbon monoxide) may be released in a fire.
Hazardous Polymerization	Will not occur
Conditions to Avoid	Not applicable for polymerization
Hazardous Decomposition Products	Toxic gases and vapors (such as oxides of nitrogen and carbon monoxide) may be released in a fire.

**SECTION 7 – SPILL OR LEAK PROCEDURES**

Steps to be taken in case material leaks or spills	Ampule 1	Ampule 2
	Wear proper protective equipment, absorb spill, flush spill area with plenty of water.	Eliminate all sources of ignition and wear proper protective equipment For Small quantities, absorb on paper towels or other absorptive materials
Waste Disposal Method	Dispose of wastes in accordance with Federal, State and Local Codes. Consult a professional hazardous waste disposal service for disposal of large quantities of copper sulfate.	Dispose of wastes in accordance with Federal, State and Local Codes. Consult a professional hazardous waste disposal service for disposal of flammable materials

**SECTION 8 – PERSONAL PROTECTIVE INFORMATION**

Respiratory Protection	Respiratory protection is not required under normal and intended uses. Self-contained breathing apparatus required during fire fighting.
Ventilation	Room ventilation is expected to be adequate except during spills or fires.
Protective Gloves	Required when potential for contact exists.
Eye Protection	Required when potential for contact exists.
Other Protective Clothing or Equipment	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 materials.

**SECTION 10 – TRANSPORTATION IDENTIFICATION**

DOT – Carton of Case: “This package conforms to 49 CFR 173.4”

CAS#: 64-19-7, 7646-99-8,  
75-31-0, 67-56-1

IATA – Dangerous Goods in Accepted Quantity

Label Class

ID Numbers: UN 1221 3.8

Label Class: US 1230 3,6.1

**SECTION 11 – TOXICOLOGICAL DATA**

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

**SECTION 12 – ECOLOGICAL DATA**

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