



Public Safety, Inc.
13386 International Parkway
Jacksonville, FL 32218
(800) 428-0588

Material Safety Data Sheet

Test D - #6074

SECTION 1 - IDENTITY

Name: NIK Public Safety, Inc.	Address: 13386 International Parkway, Jacksonville, FL 32218
Emergency Contact: Chemtel® United States (800) 255-3924 International – 813-248-0585 (Collect)	
Common Name (*Used on Label): Test D – LSD Order No. 6074	Date Prepared: July 30, 2002
Chemical Name: Does Not Apply	Chemical Family: Does Not Apply
Trade Name & Synonyms:	Formula: Does Not Apply
NIK (Narcotics Identification System) – Trademark of NIK Public Safety, Inc.	

SECTION 2 – HAZARDOUS INGREDIENTS

Hazardous Component	CAS#	%(by wt)	TLV	PEL
Ampule 1: P-DMBA	100-10-7	4.8%	No TLV	No PEL
Ethanol, Denatured, 3-A	64-17-5	95.2%	No TLV	No PEL
Ampule 2: Hydrochloric Acid, Concentrated (38%)	7647-01-0		7 mg/m ³ *C	7 mg/m ³ *C
Ampule 3: Phosphoric Acid, Concentrated (Approx 85%)	7664-38-2		1 mg/m ³	1 mg/m ³

*DMBA = p-Dimethylaminobenzaldehyde; HCl Acid; H₂PO₄ = Phosphoric Acid, Concentrated

NOTE: This product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

*C – Ceiling which refers to the concentration that should not be exceeded during any part of the working exposure.

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA)

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1987-88

SECTION 3 – PHYSICAL DATA

	Ampule 1	Ampule 2	Ampule 3
Boiling Point	78.5° C	108.58° C	Not Determined
Percent Volatile (by Vol):	95.2	17.62	Not Determined
Solubility in Water	Complete	Complete	Complete
Vapor Density (Air =1)	1.6	1.3	Not Determined
Specific Gravity (H₂O=1)	Approximately 0.79	1.19	1.9
Vapor Pressure (mm Hg)	40 @ 19° C	212 @ 20° C	0.28 @ 20° C
Evaporation Rate	1.4	Not Determined	Not Determined
Reactivity in Water	Azeotropic	Azeotropic	Not Reactive
Appearance and Odor	Pale yellow, clear liquid	Colorless to light yellow fuming liquid with acrid odor	Colorless, clear liquid

SECTION 4 – FIRE AND EXPLOSION DATA

	Ampule 1	Ampule 2	Ampule 3
Flash Point	13° C	Not Determined	Not Determined
Extinguishing Media		Water or Dry Chemical	Use media appropriate for surrounding fire
Flammable Limits in Air (% by Vol)	Upper - 19 Lower - 3.3	Upper – Not Determined Lower – Not Determined	Upper – Not Determined Lower – Not Determined
Auto Ignition Temperature:	Not Determined	Not Determined	Not Determined
Unusual Fire and Explosion Hazards	Vapor air mixtures are explosive above flammable limits and can flash back to source of ignition. Sealed vials may rupture when heated.	Hydrogen gas emitted from contact with most metals is highly flammable when missed with air	None Known
Special Fire Fighting Procedures	SCBA Avoid breathing poisonous gases and water	SCBA	SCBA

SECTION 5 – HEALTH INFORMATION**Primary Routes of Exposure:** Inhalation, contact with eyes or skin**Signs and Symptoms of Exposure:**

(1) Acute Overexposure:

Irritation of eyes, noes and throat. Splashes in the eyes or on the skin will cause severe burns. Inhalation of acid vapor may be injurious to the lungs.

(2) Chronic Overexposure:

Repeated or prolonged exposure to dilute solutions of acid may cause irritation of the skin. Repeated or prolonged exposure to mists or vapors of acid may cause erosion of teeth, chronic irritation of the eyes, or chronic inflammation of the nose, throat and bronchial tubes.

Medical Conditions Generally Aggravated by Exposure:

Impaired pulmonary function, pre-existing eye problems, pre-existing skin disorders may be aggravated by exposure.

Chemical/Component Listed as Carcinogen or Potential Carcinogen

None

NTP

No

IARC

No

OSHA

No

Other Exposure Limits: 3 mg/m³ short term exposure limit (STEL) for H₃PO₄**Emergency & First Aid Procedures:**

In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. If swallowed, do not give emetics; if conscious, give large amounts of water immediately to dilute the acid. Call a physician.

SECTION 6 – REACTIVITY DATA**Stability:** Unstable _____ Stable **Conditions to Avoid:** Avoid adding water to the acids, a large amount of heat may be produced.**Incompatibility (Material to Avoid):**

Strong oxidizers. Acid contact with most metals may cause severe corrosion and form flammable hydrogen gas. Contact of acid gas or liquid with any alkali or active metal may develop enough heat to cause fire in adjacent combustible material.

Hazardous Decomposition Products: Toxic gases and vapors (such as phosphoric acid or HCl) may be released when acid decomposes.**Hazardous Polymerization:** Will not occur **Conditions to Avoid:** Not applicable for polymerization**SECTION 7 – SPILL OR LEAK PROCEDURES****Steps to be taken in case material leaks or spills:**

Wear protective equipment; ventilate area; cover the contaminated surface with sodium bicarbonate, soda ash or slake lime. Mix and add water if necessary to form slurry. Scoop up slurry. Alternatively use J. T. Baker's Acid Spill Cleanup Kit (Product No. 4442).

Waste Disposal Method:

Dispose of wastes in accordance with Federal, State and local codes. Normal disposal methods for small quantities includes discharge diluted and neutralized material to sewer if local regulations permit.

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 and spill clean up or a NIOSH approved Acid Gas Respirator for minor spill clean up.

Ventilation:

Room ventilation is expected to be adequate except during spills or fires.

Protective Gloves: Required when contact with acid exists. **Eye Protection:** Required when possibility of contact with acid exists.**Other Protective Clothing or Equipment:**

An eye wash fountain and safety shower should be readily available where the potential for contact with acid exists.

SECTION 9 – SPECIAL PRECAUTIONS**Precautions to be taken in handling & 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 vapors. Wash thoroughly after handling. Be prepared to neutralize and absorb spilled acid.

SECTION 10 – TRANSPORTATION IDENTIFICATION

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

CAS#: 100-10-7, 7647-01-0
64-17-5, 7664-38-2

IATA – Dangerous Goods in Accepted Quantity

	<u>Label Class</u>
ID Numbers: UN 1170	3
UN 1789	8
UN 1805	8

SECTION 11 – TOXICOLOGICAL DATA

Precautions to be taken in handling & storing:

Store and handle according to packaging instructions. Store in cool, well ventilated area. Keep away from reactive materials.

SECTION 12 – ECOLOGICAL DATA

Precautions to be taken in handling & storing:

Store and handle according to packaging instructions. Store in cool, well ventilated area. Keep away from reactive materials.