

NIK[®] Public Safety, Inc. 13386 International Parkway Jacksonville, FL 32218 (800) 773-8294		Material Safety Data Sheet Test A - #6071		
SECTION 1 – IDENTITY				
Name: Nik Public Safety		Address: 13386 International Parkway, Jacksonville, FL 32218		
Emergency Contact: Chem-Tel [®]		United States (800) 255-3924		International – 813-248-0585 (Collect)
Common Name (Used on Label): Test A – Opium Alkaloids Order No. 6071		Date Prepared: May 28, 2002		
Chemical Name: Mixture		Chemical Family: Does not apply		
Trade Name & Synonyms: NIK (Narcotics Identification System) – Trademark of NIK Public Safety, Inc.		Formula: Does not apply		
SECTION 2 – HAZARDOUS INGREDIENTS				
Hazardous Component	CAS #	% (By Wt)	TLV	PEL
Sulfuric Acid Concentrated ACS Grade	7334-93-9	97.4%	1 mg/m ³ /10hr	1mg/m ³
Formaldehyde (approx 37%) ACS Grade	50-00-0	2.6%	1.5 mg/m ³	1.5 mg/m ³
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.				
PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA)				
TLV: Threshold Limit Value established by the American Conference of Government Industrial Hygienists, 1987-88.				
SECTION 3 – PHYSICAL DATA				
Boiling Point	Not Determined			
Percent Volatile (by Vol)	Not Determined			
Solubility in Water	Complete			
Vapor Density (Air=1)	3.40			
Specific Gravity (H ₂ O=1)	1.56 – 1.84			
Vapor Pressure (mm Hg)	Negligible			
Evaporation Rate	Not Determined			
Reactivity in Water	Not Determined			
Appearance and Odor	Clear, colorless, odorless			
SECTION 4 – FIRE AND EXPLOSION DATA				
Flash Point	Not Determined			
Extinguishing Media	Suitable dry chemical			
Unusual Fire and Explosion Hazards	Reacts violently with water and organic materials with evolution of heat			
Flammable Limits in Air (% by Vol)	Lower – Not Determined Upper – Not Determined			
Auto Ignition Temperature	Not Determined			
Special Fire Fighting Procedures	Do not use water to put out fire if the water can come in contact with the concentrated sulfuric acid. Use proper respiratory protection against fumes			

SECTION 5 – HEALTH INFORMATION

Primary Routes of Exposure	Inhalation, contact with eyes or skin		
Signs and Symptoms of Exposure	Acute Overexposure Irritation of eyes, nose and throat. Splashes in the eyes or on the skin will cause severe burns.		
	Chronic Overexposure Repeated or prolonged exposure to dilute solutions of sulfuric acid may cause irritation of the skin. Repeated or prolonged exposure to mists or vapors of sulfuric 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.		
Chemical/Component Listed as Carcinogen or Potential Carcinogen	NTP – Yes	IARC – No	OSHA – No
Other Exposure Limits	None		
Emergency & First Aid Procedures	In case of contact, immediately flush eyes or skin with plenty 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 tap water, milk or milk of magnesia. Call a physician.		

SECTION 6 – REACTIVITY DATA

Stability	Stable
Conditions to Avoid	Avoid adding water to the acids, a large amount of heat may be produced.
Incompatibility (Material to Avoid)	Contact of acid with organic material (such as chlorate, carbides, fulminates and picrates) may cause fires and explosions. Contact of acid with metals may form toxic sulfur dioxide fumes and flammable hydrogen gas.
Hazardous Decomposition Products	Heat, sulfur dioxide, hydrogen
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 or soda ash – slake lime mixture (50/50). Mix and add water if necessary to form a slurry. Scoop up slurry. Alternatively use J. T. Baker's Neutrasorb (products No. 4456).
Waste Disposal Method	Dispose of wastes in accordance with Federal, State and local codes. Normal disposal includes neutralization and absorption in vermiculite, dry sand, earth or similar material.

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.
Ventilation	Room ventilation is expected to be adequate except during spills or fires.
Protective Gloves	Required when contact with sulfuric acid exists.
Eye Protection	Required when possibility of contact with sulfuric acid exists.
Other Protective Clothing or Equipment	An eye wash fountain and safety shower should be readily available where the potential for contact with sulfuric acid exists.

SECTION 9 – SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage	Store and handle according to packaging instructions. Store in cool, well-ventilated area. Keep away from reactive materials.
Other Precautions	Do not get in eye on skin or on clothing. Avoid breathing vapor. 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#: 7664-93-9, 50-00-0

IATA – Dangerous Goods in Accepted Quantity

ID Numbers: UN2796

Label Class: 8

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.