

5/2/08

REVISED 11/1/01

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|--|---|---|--------------------------|----------------------|
| NIK[®] Public Safety, Inc. 13386 International Parkway Jacksonville, FL 32218 (800) 654-9943 | | Material Safety Data Sheet Test # 6402 | | |
| 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): Marquis Reagent Test # 6402 | | Date Prepared: July 31, 2002 | | |
| Chemical Name: Does Not Apply | | Chemical Family: : Does Not Apply | | |
| Trade Name & Synonyms: \ NIK (Narcotics Identification System) – trade mark of NIK Public Safety, Inc | | Formula: Does Not Apply | | |
| SECTION 2 – HAZARDOUS INGREDIENTS | | | | |
| <u>Hazardous Component</u> | <u>CAS #</u> | <u>% (by wt)</u> | <u>TLV</u> | <u>PEL</u> |
| Sulfuric Acid Concentrated ACS Grade | 7664-93-9 | 97% | 1mg/m ³ /10hr | 1mg/m ³ |
| Formaldehyde (approx. 37%) ACS Grade | 50-00-0 | 3% | 1.5mg/m ³ | 1.5mg/m ³ |
| <p>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 CFR Part 372.</p> <p>PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA)</p> <p>TLV: Threshold Limit Value established by the American Conference of Government Industrial Hygenists, 1987-88</p> | | | | |
| SECTION 3 – PHYSICAL DATA | | | | |
| <u>Boiling Point:</u> Not determined | <u>Specific Gravity (H₂O=1):</u> 1.56 – 1.84 | | | |
| <u>Percent Volatile (by Vol):</u> Not Determined | <u>Vapor Pressure (mm Hg):</u> Low | | | |
| <u>Solubility in Water:</u> Complete | <u>Evaporation rate:</u> Not determined | | | |
| <u>Vapor density (Air=1):</u> 3.4 | <u>Reactivity in Water:</u> Reacts violently when water is added with evolution of heat | | | |
| <u>Appearance and Odor:</u> Clear, Colorless & Odorless | | | | |
| SECTION 4 – FIRE AND EXPLOSION DATA | | | | |
| <u>Flash Point:</u> Not determined | <u>Flammable Limits in Air (% by Vol):</u> Lower: Not determined Upper: Not determined | | | |
| <u>Extinguishing Media:</u> Suitable Dry Chemical | <u>Auto Ignition Temperature:</u> Not Determined | | | |
| <u>Unusual Fire and Explosion Hazards:</u> React violently with water and organic materials with evolution of heat. | <u>Special Fire Fighting Procedures:</u> 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 (# 6402): Inhalation, contact with eyes or skin.

Signs & Symptoms of Exposure:

- (1) Acute Overexposure – Irritation of eyes, nose & throat. Splashes in the eyes or on the skin will cause severe burns.
- (2) 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 & 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:
Formaldehyde

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 & 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: Unstable 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 & picrates) may cause fires & explosions. Contact of acid with metals may form toxic sulfur dioxide fumes & 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 & add water if necessary to form a slurry. Scoop up the slurry. Alternatively use J.T. Bakers Neutrasorb (product No. 4456).

Disposal Method: Dispose of wastes in accordance with Federal, State & local codes. Normal disposal includes neutralization & absorption in vermiculite, dry sand, earth or similar material.

SECTION 8 – PERSONAL PROTECTIVE INFORMATION

Respiratory Protection: Respiratory protection is not required under normal & intended uses. Self-contained breathing apparatus required during fire fighting & 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 & 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 & storing: Store & 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 & absorb spilled acid.

SECTION 10 – TRANSPORTATION IDENTIFICATION

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

CAS #: 7664-93-9
50-00-0

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.