MATERIAL SAFETY DATA SHEET

SECTION I NAME
Product: 1-Naphthol

SECTION II INGREDIENTS OF MIXTURES
Principal Component(s): 1-Naphthol
% by Volume: 100%
TLV Units: None established.

WARNING!
HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES IRRITATION.

SECTION III PHYSICAL DATA
Melting Point (°F): 98°C (205°F)
Boiling Point (°F): 288°C (550°F)
Vapor Pressure (mm Hg): 1 mm at 94.0°C
Vapor Density (Air=1): 4.5 (120°C)
Solubility in Water: Slightly soluble.
Appearance & Odor: Off-white crystalline solid; Phenol-like odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA
Flammable Limits in Air by Volume (%): Lower: 0.8  Upper: 5
Extinguisher Media: Water spray; carbon dioxide; dry chemical.

SPECIAL FIREFIGHTING PROCEDURES
In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Do not use high pressure water stream. Air-borne dust creates an explosion hazard.

(2004 EMERGENCY RESPONSE GUIDEBOOK, RSPA P 5800.9, GUIDE PAGE NO. 154)

UNUSUAL FIRE AND EXPLOSION HAZARDS
Fire hazard slight. When heated, it emits toxic, corrosive fumes; can react vigorously with oxidizing materials. Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

SECTION V HEALTH HAZARD DATA
Threshold Limited Value: None established by (ACGIH 2001).

Effects of Overexposure: Oral ingestion of large quantities may cause nephritis, lens opacity, vomiting and diarrhea, abdominal pain, circulatory collapse, convulsions, hemolytic anemia, death. Fatal poisoning from external application has been reported. CAUTION! Local action may produce peeling of the skin which may be followed by persistent pigmentation. Causes skin and eye burns. Target organs: Liver.

Emergency and First Aid Procedures
INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. EYES: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. SKIN: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA
Stability: Unstable

Hazardous Decomposition Products: Thermal decomposition will emit toxic fumes of carbon monoxide and/or carbon dioxide.

Hazardous Polymerization: May Occur

SECTION VII SPILL OR LEAK PROCEDURES
Steps to be taken in case material is released or spilled:
Recover for use if not contaminated. Wear protective safety equipment and use adequate ventilation. Avoid making dust. Sweep up and place in a suitable container for disposal. Flush spill area with water. Do not allow wash water to pollute water ways and streams.

Waste Disposal Method:
Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dispose of in accordance with local, state and federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION
Respiration Protection (Specify Type):
None should be needed in normal laboratory handling. If dusty conditions prevail, or at elevated temperatures work in ventilation hood or wear a NIOSH/MSHA-approved respirator.

Ventilation:
Local Exhaust: Recommended.
Mechanical (General): Recommended.
Special: No
Adequate to maintain below exposure limit.

Protective Gloves: Rubber, Eye Protection
Chemical safety goggles.

Other Protective Equipment: Faceshield, lab coat, apron, proper gloves, eye wash station, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS
Precautions to be Taken in Handling & Storing:
Keep container tightly closed when not in use.

Other Precautions:
Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Do not get in eyes, on skin or clothing. Avoid breathing dust. Remove and wash contaminated clothing.

Revision No. 6
Date 01/12/07
Approved James A. Bertsch
Chemical Safety Coordinator JAB

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