

SECTION I - Distributor's Information

Distributor: K-Chem, Inc.
Address: 3908 3rd Avenue South Birmingham, AL 35222
Phone: (205) 592-0844 or (888) 51K-Chem
Emergency Phone: CHEMTREC: (800) 424-9300
Date Prepared: 01/31/05 **Date Revised:** (new)
****HMIS Rating Health -2 Flammability -2 Reactivity -0**

SECTION II - Hazardous Components of Mixture

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

<u>Components</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
n-Methyl-2-Pyrrolidinone	872-50-4	none established	none established *
Heavy aromatic solvent naphtha	64742-94-5	none established	none established
Naphthalene	91-20-3	TWA(8hr):10ppm	10ppm
1,2,4-Trimethylbenzene	95-63-6	25 ppm	25 ppm
Monoethanolamine	141-43-5	3 ppm	3 ppm
Alkylphenol ethoxylate	9016-45-9	not established	not established

* recommend 100ppm TWA

SECTION III - Physical Characteristics

Boiling Point: 339° to 421°F
Vapor Pressure: 2.2 mmHg @ 20°C; calculated
Vapor Density: 3.3 (air=1); calculated
Specific Gravity: 0.9949
pH @ 25°C: 10.90 @ 5% in water
Melting Point: Not determined
Evaporation Rate: >0.1 (butyl acetate =1)
Solubility in Water: Miscible
Appearance and Odor: Clear, pale yellow liquid; mild, naphthalene -like odor
% VOC's (by Wt.): 77% (6.38 #/gal)

SECTION IV - Fire and Explosion Data

Flash Point: 153°F (67°C), TCC
Lower Flammable Level: 1.7%; calculated
Upper Flammable Level: 10.0%; calculated
Extinguishing Media: Water fog, foam, CO2, dry chemical.
Special Fire Fighting Procedures: Product is a combustible liquid. Use self-contained breathing apparatus and full bunker gear in fire areas. Keep containers cool with water fog to minimize swelling.
Unusual Fire Fighting Hazards: After fire is extinguished, vapors could accumulate, travel to a source of ignition and flash back. Exposure to extreme heat, open flame and other ignition sources can ignite this product. Vapors are heavier than air and may travel a considerable distance to a source of ignition and flash back. Vapor/air mixtures are explosive.

SECTION V - Stability

Stability: Stable
Conditions to Avoid: None
Incompatibilities (materials to avoid): Strong oxidizers and reducers. Nitrites or products containing nitrites.
Hazardous Decomposition or Byproducts: CO and NOx fumes emitted when heated to decomposition. N-nitrosamines may form on contact with nitrites
Hazardous Polymerization: Will not occur
Conditions to Avoid: None

SECTION VI - Health Hazard Data

PEL/TLV: See SECTION II for components.
Route(s) of Entry: Contact and mist inhalation primary; ingestion possible
Health Hazards (acute and chronic): **EYES:** Contact causes severe eye irritation including pain, stinging, watering and redness. Vapor can be mildly irritating to the eyes.
SKIN: Contact causes skin irritation that can be severe including redness, swelling, drying and cracking of the skin. No harmful effects from skin absorption are expected. Material has been found to be a fatiguing element, but not a sensitizer.
INHALATION: Low degree of toxicity by inhalation. If misted or at high vapor concentrations may cause irritation to upper respiratory tract and CNS depression.
INGESTION: Low degree of toxicity by ingestion. Aspiration hazard. Can enter lungs during swallowing or vomiting and cause chemical pneumonia and edema.

Carcinogenicity: Not listed as a carcinogen
Signs and Symptoms of Overexposure: Reddening and irritation of contact areas; coughing and dizziness with prolonged inhalation of mist/vapors; nausea if ingested.

Medical Conditions Aggravated by Exposure: Preexisting skin and respiratory conditions.

Emergency First Aid Procedures: **EYES:** Flush with water for 15 minutes. Seek immediate medical attention.
SKIN: Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek medical attention.
INHALATION: Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.
INGESTION: Do Not Induce Vomiting. Seek immediate medical attention.

SECTION VII - Handling and Storage

Steps to be Taken if Material is Released or Spilled: Eliminate all ignition sources in the area. Contain spill. Collect spill on absorbent material and put into approved container. Clean remaining residue with water and detergent. Do not flush to drains or sewers. Notify proper authorities. Reportable quantity is 3,333 pounds or 402 gallons (Naphthalene)

Waste Disposal Method: Follow Federal, state, and local regulations.

Precautions to be Taken in Handling and Storing: NFPA Class III B storage. Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling. "Empty" containers retain residue and/or vapor and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flames, sparks, or other sources of ignition. Keep containers tightly closed when not in use.

SECTION VIII - Personal Protection

Respiratory Protection: Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV.

Ventilation: Adequate local or mechanical to reduce mist/vapor to <TLV.

Protective Gloves: Impervious, solvent resistant such as neoprene or nitrile.

Eye Protection: Goggles or approved OSHA device; do not wear contact lens.

Clothing: Impervious apron and work boots recommended where splashing may occur

Work/Hygienic Practices: Follow accepted work and hygiene practices for handling a combustible material. Do not eat, drink, or smoke in areas where this product is used or stored. Have eye wash stations and safety showers readily available

SECTION IX - Other Regulatory Information

Sara Title III Section 302/304 Extremely Hazardous Substance

Component	CAS#	% by wt.	RQ (lbs)	TPQ (lbs)
None				

CERCLA Section 102(a) Hazardous Substance

Component	CAS#	% by wt.	RQ (lbs)
Naphthalene	91-20-3	1 - 3 %	100lbs

Sara Title III Section 311 Hazard Categorization

Acute (x) Chronic () Fire () Pressure () Reactive () NA ()

SARA Title III Section 313 Supplier Information

Component	CAS#	% by wt.
Naphthalene	91-20-3	1 - 3 %
1,2,4-Trimethylbenzene	95-63-6	0 - 1%

****HMIS** ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this product, all the information contained in this MSDS must be considered.

Comments: Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapor, mists, or fumes should be minimized.

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