IDENTIFICATION

MSDS Record Number: 4630743
Product Name(s): KAYDOL
White Mineral Oil
Date of MSDS: 2000-06-27
Currency Note: This MSDS was provided to CCOHS on 2005-06-10

MANUFACTURER/SUPPLIER INFORMATION

Company: ALBEMARLE CORP

MATERIAL SAFETY DATA

27.0.0 ETH 3259 KAYDOL 06/27/00 CY
ALBEMARLE CORPORATION
MATERIAL SAFETY DATA SHEET
451 FLORIDA STREET, BATON ROUGE, LA 70801
FOR EMERGENCIES ONLY - Phone (225) 364-7147
For Non-emergency Health & Safety Phone 1-800-535-3030
Representing Albemarle Foreign Sales Corporation for Export Sales

HMIS CLASSIFICATIONS: HEALTH: 1 SUPERSEDES: 03/30/99
FLAMMABILITY: 0
REACTIVITY: 0

PRODUCT IDENTIFICATION
PRODUCT NAME: KAYDOL
CHEMICAL NAME: White Mineral Oil
CAS NO.: 8042-47-5
CHEMICAL FAMILY: Mineral Oil

SUMMARY OF HAZARDS
Harmful if aspirated into the lungs.

OSHA HAZARDOUS COMPONENTS

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS NO.</th>
<th>NOTE</th>
<th>EXPOSURE LIMIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>White mineral oil (petroleum)</td>
<td>8042-47-5</td>
<td>ND</td>
<td>5 mg/M3 TWA8 (OSHA/ACGIH).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg/M3 STEL (ACGIH).</td>
</tr>
</tbody>
</table>
NOTE: Carcinogenicity listing of components at concentrations greater than or equal to 0.1% indicated by: O=NTF; #=IARC; &=OSHA; +=ACGIH; *=OTHER; ND=Not Designated.

CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE/ODOR: Colorless viscous liquid.
BOILING POINT: > 230°C/450°F.

EMERGENCY PHONE NUMBER  PRODUCT NAME: KADOL
(225) 344-7147

27.0.0

CHEMICAL AND PHYSICAL PROPERTIES (Con't)

VAPOR PRESSURE: < 0.5 mm Hg @ 20°C/68°F.
SOLUBILITY IN WATER: Negligible.
SPECIFIC GRAVITY: < 1.0 @ 15°C/59°F.
MELTING POINT: Not applicable.

FIRE AND EXPLOSION HAZARDS

FLASH POINT (METHOD): > 176°C/350°F (PMCC).
FLAMMABLE LIMITS: Not established.
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.
HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Include oxides of carbon.
SPECIAL FIRE FIGHTING PROCEDURES: As for petroleum products. Use self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

REACTIVITY DATA

STABILITY: Stable.
CONDITIONS TO AVOID: None known.
MATERIALS TO AVOID: None known.
HAZARDOUS POLYMERIZATION: Will not occur.

HEALTH HAZARDS

INHALATION: Inhalation of oil mist or vapors at elevated temperature may cause respiratory irritation.
EYE CONTACT: Not expected to be an eye irritant.

06/27/00

EMERGENCY PHONE NUMBER  PRODUCT NAME: KADOL
(225) 344-7147

27.0.0

HEALTH HAZARDS (Con't)

SKIN CONTACT: Repeated or prolonged skin contact may cause dermatitis and defatting.
INGESTION: Harmful if aspirated into the lungs-do not induce vomiting.

CHRONIC EFFECTS OF OVEREXPOSURE: None known.

EMERGENCY FIRST AID PROCEDURES

INHALATION: If inhaled, remove to fresh air.
EYE CONTACT: Begin immediate eye irrigation with cool water.
SKIN CONTACT: Wash contaminated areas with soap and water.
INGESTION: Give two glasses of water. Do not induce vomiting. Get medical attention.

EXPOSURE CONTROL INFORMATION

EXPOSURE LIMITS: See "Hazardous Components" section.
EYE PROTECTION: Chemical goggles or safety glasses.
PROTECTIVE GLOVES: Resistant to chemical penetration.
RESPIRATORY PROTECTION: None under normal conditions. NIOSH
approved organic vapor respirator when exposed to vapor from heated material.

LOCAL EXHAUST VENTILATION: At bulk vessel openings when handling heated materials.

MECHANICAL VENTILATION: Recommended.

OTHER: If repeated or prolonged skin contact or contamination of clothing is likely, protective clothing should be worn.

ENVIRONMENTAL PROTECTION

SPILLS OR LEAKS: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil.

DISPOSAL METHODS: To the best of Albemarle's knowledge, this product is not regulated by CERCLA/RCRA as a hazardous waste or material. However, this product has not been tested for the toxicity characteristic via the Toxicity Characteristic Leaching Procedure. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state and federal regulations.

STORAGE REQUIREMENTS: Short term (less than 24 hours) - 65C/149F maximum. Long term (greater than 24 hours) - 55C/131F maximum.

REGULATORY INFORMATION

TSCA:

THIS MATERIAL IS IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (15 USC 2601 - 2629).

DOT DESCRIPTION/PROPER SHIPPING NAMES:

Not regulated for transportation.

HAZARD CATEGORIES FOR SARA 311/312 REPORTING ARE INDICATED BELOW:

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>Immediate (Acute)</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>Delayed (Chronic)</td>
<td>No</td>
</tr>
<tr>
<td>PHYSICAL</td>
<td>Fire</td>
<td>No</td>
</tr>
<tr>
<td>PHYSICAL</td>
<td>Sudden Release of Pressure</td>
<td>No</td>
</tr>
<tr>
<td>PHYSICAL</td>
<td>Reactive</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Nuisance Mist/Dust Only</td>
<td>Yes</td>
</tr>
</tbody>
</table>

REGULATORY INFORMATION (Con't)

FOLLOWING ARE WHMIS CLASSIFICATIONS FOR THIS PRODUCT:

NOT CONTROLLED

MSDS prepared by: Health & Environment Department Albemarle Corporation
FOR ADDITIONAL NONEMERGENCY PRODUCT INFORMATION, CONTACT:

HEALTH AND ENVIRONMENT DEPARTMENT
ALBEMARLE CORPORATION
451 FLORIDA ST.
BATON ROUGE, LA. 70801
(800) 535-3030

THIS MATERIAL SAFETY DATA SHEET CONTAINS AT LEAST THE INFORMATION REQUIRED BY THE FEDERAL OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200(g) (2).

THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE REMAINS WITH USER. THE USER SHOULD CONSIDER THE HEALTH HAZARDS AND SAFETY INFORMATION CONTAINED HEREIN AS A GUIDE AND SHOULD TAKE THOSE PRECAUTIONS REQUIRED IN AN INDIVIDUAL OPERATION TO INSTRUCT EMPLOYEES AND TO DEVELOP WORK PRACTICE PROCEDURES FOR A SAFE WORK ENVIRONMENT.

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, BECAUSE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY THE USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

06/27/00

October, 2007 Issue

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