

KANO LABORATORIES -- KROIL - PENETRATING OIL
MATERIAL SAFETY DATA SHEET
NSN: 9150008007997
Manufacturer's CAGE: 13868
Part No. Indicator: A
Part Number/Trade Name: KROIL

General Information

Item Name: PENETRATING OIL
Company's Name: KANO LABORATORIES INC
Company's Street: 1000 S THOMPSON LANE
Company's City: NASHVILLE
Company's State: TN
Company's Country: US
Company's Zip Code: 37211-2627
Company's Emerg Ph #: 615-833-4101
Company's Info Ph #: 615-833-4101
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 08MAY92
Safety Data Review Date: 11MAY94
MSDS Preparer's Name: P R ZIMMERMAN
Preparer's Company: SAME
MSDS Serial Number: BMBWB
Hazard Characteristic Code: N/

Ingredients/Identity Information

Physical/Chemical Characteristics

Appearance And Odor: LIQUID, SLIGHT REDDISH COLOR, PLEASANT ODOR.
Boiling Point: 250F, 121C
Vapor Pressure (MM Hg/70 F): 3
Vapor Density (Air=1): N/A
Specific Gravity: .88
Evaporation Rate And Ref: <1 (BUTYL ACETATE=1)
Solubility In Water: NIL
Percent Volatiles By Volume: 60
pH: 6.0

Fire and Explosion Hazard Data

Flash Point: 150F, 66C
Flash Point Method: COC
Lower Explosive Limit: N/A
Upper Explosive Limit: N/A
Extinguishing Media: CO*2, DRY CHEMICAL, FOAM.
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT (FP N). USUAL PROCEDURE FOR SOLVENTS. TREAT AS
COMBUSTIBLE. DO NOT USE WATER.
Unusual Fire And Expl Hazrds: NEVER USE WELDING OR CUTTING TORCH ON/NEAR
CANS/DRUMS. DO NOT MIX/STORE WITH STRONG OXIDANTS. STORE @ ROOM
TEMPERATURE.

Reactivity Data

Stability: YES

Cond To Avoid (Stability): HEAT, SPARKS, OPEN FLAME, STRONG OXIDANTS.
 Materials To Avoid: STRONG OXIDIZING AGENTS.
 Hazardous Decomp Products: THERMAL DECOMPOSITION IN PRESENCE OF AIR MAY
 YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE.
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): NOT RELEVANT.

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 Health Hazard Data
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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: NO
 Route Of Entry - Ingestion: YES
 Health Haz Acute And Chronic: EYE: BURNING AND IRRITATION. SKIN: DRYNESS,
 PROLONGED EXPOSURE MAY CAUSE DERMATITIS. INHAL: MAY CAUSE HEADACHE,
 DIZZINESS, ANESTHESIA, NAUSEA AND UPPER RESPIRATORY IRRITATION. INGEST: MAY
 CAUSE LUNG IRRITATION, NAUSEA, VOMITING AND DIARRHEA. HARMFUL OR FATAL IF
 SWALLOWED.
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NOT RELEVANT.
 Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.
 Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.
 Emergency/First Aid Proc: EYE:IMMED FLUSH W/LG AMT OF H*2O FOR @ LST 15
 MIN. SKIN:WASH W/SOAP/MILD H*2O. APPLY SKIN CREAM. INHAL:REMOVE TO FRESH
 AIR. IF BRTHG IS DFCLT ADMINISTER O*2. IF BREATHING HAS STOPPED GIVE ARTF
 RESP. GET MED ATTN. INGEST: DO NOT INDUCE VOMIT, CALL PHYS IMMED. MINUTE
 AMOUNT ASPIRATED INTO LUNGS DURING INGEST MAY CAUSE SEVERE PULMONARY
 DAMAGE. DO NOT ADMINISTER EPINEPHRINE OR ADRENALINE.

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 Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: WIPE UP IMMED WITH ABSORBENT RAGS, SWEEPING
 COMPOUND OR OTHER ABSORBENT MATERIAL, REMOVE OR EXTINGUISH ALL FLAMES AND
 SPARKS. DO NOT FLUSH INTO SEWER.
 Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
 Waste Disposal Method: BURY SATURATED ABSORBENT IN APPROVED LANDFILL.
 DISPOSE OF AS ANY COMBUSTION FUEL IN ACCORDANCE WITH LOCAL, STATE AND
 FEDERAL REGULATIONS.
 Precautions-Handling/Storing: KEEP AWAY FROM EXCESSIVE HEAT, SPARKS AND
 OPEN FLAME. DO NOT TAKE INTERNALLY. DO NOT LEAVE CONTR OPEN. STORE IN COOL
 AREA.
 Other Precautions: USE WITH PROPER VENTILATION. WEARING CONTACT LENSES IS
 NOT ADVISABLE. IF SWALLOWED CAN ENTER INTO LUNGS AND MAY CAUSE CHEM PNEUM.
 DO NOT ADMINISTER EPINEPHRINE OR ADRENALIN. KEEP AWAY FROM CHILDREN AND
 ANIMALS. DO NOT PUNCTURE CONTR.

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 Control Measures
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Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR FOR VAPORS IF
 DESIRED.
 NORMAL VENTILATION IS SUFFICIENT.
 Protective Gloves: CHEMICALLY RESISTANT GLOVES.
 Eye Protection: CHEMICAL WORKERS GOGGLE (FP N).
 Other Protective Equipment: NONE NEEDED.
 Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
 Suppl. Safety & Health Data: NONE SPECIFIED BY MANUFACTURER.

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 Transportation Data
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Trans Data Review Date: 95165  
DOT PSN Code: GJL  
DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.  
DOT Class: 3  
DOT ID Number: UN1993  
DOT Pack Group: III  
DOT Label: FLAMMABLE LIQUID  
IMO PSN Code: HIA  
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o *  
IMO Regulations Page Number: 3345  
IMO UN Number: 1993  
IMO UN Class: 3.3  
IMO Subsidiary Risk Label: - *  
IATA PSN Code: MCA  
IATA UN ID Number: 1993  
IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. *  
IATA UN Class: 3  
IATA Label: FLAMMABLE LIQUID  
AFI PSN Code: MCA  
AFI Prop. Shipping Name: FLAMMABLE LIQUIDS, N.O.S.  
AFI Class: 3  
AFI ID Number: UN1993  
AFI Pack Group: III  
AFI Label: FLAMMABLE LIQUID  
AFI Basic Pac Ref: 7-7  
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Disposal Data  
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Label Data  
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Label Required: YES  
Technical Review Date: 11MAY94  
Label Date: 11MAY94  
Label Status: G  
Common Name: KROIL  
Chronic Hazard: YES  
Signal Word: WARNING!  
Acute Health Hazard-Moderate: X  
Contact Hazard-Slight: X  
Fire Hazard-Moderate: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: COMBUSTIBLE. ACUTE: EYES: BURNING AND  
IRRITATION. SKIN: DERMATITIS. INHAL: IRRITATION, HEADACHE, DIZZINESS,  
NAUSEA. INGEST: IRRITATION, NAUSEA, VOMITING, DIARRHEA. HARMFUL/FATAL IF  
SWALLOWED. CHRONIC: ANIMAL STUDIES HAVE CLEARLY DEMONSTRATED DOSE-RELATED  
ADVERSE EFFECTS ON CNS, BLOOD FORMING TISSUES, BLOOD, KIDNEYS & LIVER ASSOC  
W/ADMIN OF ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE).  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
Label Name: KANO LABORATORIES INC  
Label Street: 1000 S THOMPSON LANE  
Label City: NASHVILLE  
Label State: TN  
Label Zip Code: 37211-2627  
Label Country: US  
Label Emergency Number: 15-833-4101  
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