

FARMLAND INDUSTRIES PETROLEUM DIV -- K-1 KEROSENE - KEROSENE
MATERIAL SAFETY DATA SHEET
NSN: 9140012924460
Manufacturer's CAGE: 6G072
Part No. Indicator: B
Part Number/Trade Name: K-1 KEROSENE

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General Information
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Item Name: KEROSENE
Company's Name: FARMLAND INDUSTRIES INC. PETROLEUM DIVISION
Company's P. O. Box: 7305
Company's City: KANSAS CITY
Company's State: MO
Company's Country: US
Company's Zip Code: 64116-0005
Company's Emerg Ph #: 316-251-4000/800-424-9300 (CHEMTREC)
Company's Info Ph #: 816-459-4100
Record No. For Safety Entry: 013
Tot Safety Entries This Stk#: 014
Status: FE
Date MSDS Prepared: 22FEB91
Safety Data Review Date: 19JUL94
Supply Item Manager: KY
MSDS Serial Number: BTRYG
Spec Type, Grade, Class: 1-K GRADE
Hazard Characteristic Code: F4
Unit Of Issue: GL
Unit Of Issue Container Qty: BULK

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: KEROSENE (ALIPHATIC PETROLEUM SOLVENT/PARAFFINS, NAPHTHENES,
OLEFINS, AROMATIC)
Ingredient Sequence Number: 01
Percent: >95
NIOSH (RTECS) Number: OA5500000
CAS Number: 8008-20-6
OSHA PEL: 100 PPM (MFR)
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: 1,2,4-TRIMETHYLBENZENE (SARA III)
Ingredient Sequence Number: 02
Percent: <2
NIOSH (RTECS) Number: DC3325000
CAS Number: 95-63-6
OSHA PEL: 25 PPM
ACGIH TLV: 25 PPM; 9394
Other Recommended Limit: NONE RECOMMENDED

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Physical/Chemical Characteristics
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Appearance And Odor: PALE YELLOW TO WATER WHITE, OILY LIQUID WITH KEROSEN
ODOR

Boiling Point: >300F,>149C
Vapor Pressure (MM Hg/70 F): <5
Vapor Density (Air=1): 4.5
Specific Gravity: 0.8
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: <1 (ETHER=1)
Solubility In Water: NEGLIGIBLE
Percent Volatiles By Volume: 100
Corrosion Rate (IPY): UNKNOWN
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Fire and Explosion Hazard Data
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Flash Point: 125F,52C
Flash Point Method: PMCC
Lower Explosive Limit: 0.7
Upper Explosive Limit: 5.0
Extinguishing Media: FOAM, DRY CHEMICAL AND CARBON DIOXIDE. USE WATER
SPRAY TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.
Special Fire Fighting Proc: DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE
SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT. THIS MAY INCLUDE SELF-CONTAINED
BREATHING APPARATUS.
Unusual Fire And Expl Hazrds: THIS MATERIAL RELEASES FLAMMABLE VAPORS AT
NORMAL ATMOSPHERIC TEMPERATURES AND PRESSURES; VAPORS WHEN MIXED IN CERTAIN
PROPORTION WITH AIR CAN BURN OR EXPLODE.
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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): HIGH HEAT, SPARKS, STATIC ELECTRICITY, OPEN
FLAMES AND OTHER SOURCES OF IGNITION
Materials To Avoid: STRONG OXIDIZING AGENTS
Hazardous Decomp Products: FUMES, SMOKE, CARBON MONOXIDE, CARBON DIOXIDE,
ALDEHYDE AND OTHER DECOMPOSITION PRODUCTS, IN THE CASE OF INCOMPLETE BURN
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NONE
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Health Hazard Data
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LD50-LC50 Mixture: UNKNOWN
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: ACUTE- INHALATION:CENTRAL NERVOUS SYSTEM
DEPRESSION OR RESPIRATORY IRRITATION. EYES- IRRITATION. INGESTION:HARMFUL
IRRITATION OF GI TRACT. ASPIRATION INTO THE LUNGS CAN CAUSE SEVERE CHEMICAL
PNEUMONITIS, WHICH CAN BE FATAL. SKIN:PROLONGED OR REPEATED EXPOSURE MAY
CAUSE IRRITATION. CHRONIC:DERMATITIS.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Signs/Symptoms Of Overexp: HEADACHE, DIZZINESS, NAUSEA, VOMITING & LOSS OF
COORDINATION. EYE CONTACT MAY CAUSE IRRITATION. SKIN:IRRITATION. SWALLOWING

CAN CAUSE VOMITING, DIARRHEA & RESTLESSNESS.
Med Cond Aggravated By Exp: SKIN, CNS, AND IMPAIRED RESPIRATORY FUNCTION.
Emergency/First Aid Proc: GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.
SKIN:WASH WITH WATERLESS CLEANER, THEN WITH SOAP & WATER. EYE:FLUSH WITH
WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. INHALATION:REMOVE TO FRESH AI
& PROVIDE OXYGEN/CPR IF NEEDED. INGESTION:DO NOT INDUCE VOMITING. IF
VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION. CALL A
PHYSICIAN.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: SHUT OFF AND ELIMINATE ALL IGNITION SOURCES
KEEP PEOPLE AWAY. RECOVER FREE PRODUCT. ADD SUITABLE ABSORBENT TO SPILL
AREA. MINIMIZE BREATHING VAPORS. CONTAIN SPILL BY DIKING OR IMPOUNDING.
PROVIDE ADEQUATE VENTILATION. PROTECT SKIN OR CLOTHING.
Neutralizing Agent: NONE
Waste Disposal Method: DISPOSE BY A LICENSED WASTE DISPOSAL COMPANY IN
ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
Precautions-Handling/Storing: STORAGE-STORE IN COOL, VENTILATED AREA AWAY
FROM FLAME, SPARKS, STATIC ELECTRICITY. KEEP CONTAINER CLOSED.
Other Precautions: USE ONLY IN WELL VENTILATED AREA. DO NOT WELD, HEAT OR
DRILL CONTAINER. EMPTY CONTAINER STILL CONTAIN HAZARDOUS/EXPLOSIVE VAPOR/
LIQUID. DO NOT USE PRESSURE TO EMPTY DRUM OR EXPLOSION MAY RESULT. TOXIC
FUMES MAY ACCUMULATE AND CAUSE DEATH.

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Control Measures

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Respiratory Protection: USE NIOSH-APPROVED EQUIPMENT WHEN AIRBORNE LIMITS
EXCEEDED.
Ventilation: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST)
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).
Protective Gloves: RUBBER
Eye Protection: CHEMICAL SAFETY GLASSES/GOGGLES
Other Protective Equipment: REMOVE CONTACT LENSES AND WEAR CHEMICAL SAFETY
GLASSES WHERE CONTACT WITH LIQUID MAY OCCUR.
Work Hygienic Practices: WASH HANDS THOROUGHLY AFTER HANDLING THIS
PRODUCT.
Suppl. Safety & Health Data: USE SPARKS-PROOF TOOLS. THIS LIQUID IS
VOLATILE AND GIVES OFF INVISIBLE VAPORS. EITHER THE LIQUID OR VAPOR MAY
SETTLE IN LOW AREAS AND TRAVEL SOME DISTANCE ALONG THE GROUND OR SURFACE
IGNITION SOURCES WHERE THEY MAY IGNITE OR EXPLODE. PROVIDE ADEQUATE
VENTILATION.

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Transportation Data

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Trans Data Review Date: 94200
DOT PSN Code: ICS
DOT Proper Shipping Name: KEROSENE
DOT Class: 3
DOT ID Number: UN1223
DOT Pack Group: III
DOT Label: FLAMMABLE LIQUID
IMO PSN Code: IRR
IMO Proper Shipping Name: KEROSENE
IMO Regulations Page Number: 3375

IMO UN Number: 1223
IMO UN Class: 3.3
IMO Subsidiary Risk Label: -
IATA PSN Code: OVO
IATA UN ID Number: 1223
IATA Proper Shipping Name: KEROSENE
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
AFI PSN Code: OVO
AFI Prop. Shipping Name: KEROSENE
AFI Class: 3
AFI ID Number: UN1223
AFI Pack Group: III
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: 19JUL94
MFR Label Number: UNKNOWN
Label Status: F
Common Name: K-1 KEROSENE
Signal Word: WARNING!
Acute Health Hazard-Moderate: X
Contact Hazard-Moderate: X
Fire Hazard-Moderate: X
Reactivity Hazard-None: X
Special Hazard Precautions: ACUTE-INHALATION OF EXCESSIVE CONCENTRATIONS OF FUME/MIST CAN BE IRRITATING TO THE RESPIRATORY PASSAGES & CAN CAUSE HEADACHE, DIZZINESS, NAUSEA, VOMITING & LOSS OF COORDINATION. EYE CONTACT MAY CAUSE IRRITATION. SKIN CONTACT MAY AGGRAVATE DERMATITIS. SWALLOWING CAN CAUSE VOMITING, DIARRHEA & RESTLESSNESS. CHRONIC- DERMATITIS. STORAGE- STORE IN COOL VENTILATED AREA AWAY FROM IGNITION SOURCES. FIRST AID- GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN: WASH WITH WATERLESS CLEANER, THEN WITH SOAP & REMOVE TO FRESH AIR & PROVIDE OXYGEN/ CPR IF NEEDED. ORAL: DO NOT INDUCE VOMITING. CALL PHYSICIAN
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: FARMLAND INDUSTRIES INC. PETROLEUM DIVISION
Label P.O. Box: 7305
Label City: KANSAS CITY
Label State: MO
Label Zip Code: 64116-0005
Label Country: US
Label Emergency Number: 316-251-4000/800-424-9300 (CHEMTREC)