

K-1 LOW SULFUR

MSDS Number

BTZWW

National Stock Number

9140-00-273-2394

Product Name

K-1 LOW SULFUR

Manufacturer

HARTFORD WOOD RIVER TERM INC

Product Identification

Product ID:K-1 LOW SULFUR

MSDS Date:01/01/1987

FSC:9140

NIIN:00-273-2394

MSDS Number: BTZWW

Responsible Party

HARTFORD/WOOD RIVER TERM, INC.

HARTFORD , IL 62048

US

Emergency Phone: 800-424-9300

Info Phone: 618-254-2855

Cage: HARTF

Contractor

HARTFORD/WOOD RIVER TERM, INC.

25

HARTFORD, IL 62048

US

618-254-2855

Cage: HARTF

Ingredients

ALIPHATIC PETROLEUM SOLVENT (KEROSENE, MAY INCLUDE THE

CAS: 8008-20-6

RTECS: OA5500000

Fraction By Weight: 100%

PARAFFINIC HYDROCARBONS (VARIOUS)

Fraction By Weight: >50%

OCTANE

CAS: 111-65-9

RTECS: RG8400000

Fraction By Weight: >0.5%

OSHA PEL500 PPM

ACGIH TLV: 300 PPM/375STEL;9394

NONANE

CAS: 111-84-2

RTECS: RA6115000

Fraction By Weight: >1.5%

OSHA PEL200 PPM

ACGIH TLV: 200 PPM; 9394

NAPHTHENES

Fraction By Weight:

OSHA PEL5 MG/M3 (OIL MIST)

ACGIH TLV: 5 MG/M3 (OIL MIST)

AROMATIC HYDROCARBONS

Fraction By Weight:

BENZENE (SARA III)

CAS: 71-43-2

RTECS: CY1400000

Fraction By Weight:

OSHA PELSEE 1910.1028

ACGIH TLV: 10 PPM; A2; 9394

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

TOLUENE (SARA III)

CAS: 108-88-3

RTECS: XS5250000

Fraction By Weight:

OSHA PEL200 PPM; Z-2

ACGIH TLV: S, 50 PPM; 9394

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

P-XYLENE (P-DIMETHYLBENZENE) (SARA III)

CAS: 106-42-3

RTECS: ZE2625000

Fraction By Weight:

OSHA PEL100 PPM

ACGIH TLV: 100 PPM/150STEL;9394

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

M-XYLENE (M-DIMETHYLBENZENE) (SARA III)

CAS: 108-38-3

RTECS: ZE2275000

Fraction By Weight:

OSHA PEL100 PPM

ACGIH TLV: 100 PPM/150STEL;9394

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

O-XYLENE (O-DIMETHYLBENZENE) (SARA III)

CAS: 95-47-6

RTECS: ZE2450000

Fraction By Weight:

OSHA PEL100 PPM

ACGIH TLV: 100 PPM/150STEL;9394

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

MESITYLENE (1,3,5-TRIMETHYLBENZENE)

CAS: 108-67-8

RTECS: OX6825000

Fraction By Weight:

1,2,4-TRIMETHYLBENZENE (SARA III)

CAS: 95-63-6

RTECS: DC3325000

Fraction By Weight:

OSHA PEL25 PPM

ACGIH TLV: 25 PPM; 9394

1,2,3-TRIMETHYLBENZENE

CAS: 526-73-8

RTECS: DC3300000

Fraction By Weight:

OSHA PEL25 PPM

ACGIH TLV: 25 PPM

SULFUR COMPOUNDS

Fraction By Weight:

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:EYES: VAPORS MAY CAUSE SLIGHT IRRITATION. LIQUID MAY CAUSE INTENSE STINGING WITHOUT LONG TERM EFFECTS. SKIN: REPEATED SKIN CONTACT MAY CAUSE SEVERE SKIN IRRITATION. INHALATION: MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. INGESTION: MAY BE IRRITATING TO INTESTINES. MAY BE ASPIRED INTO THE LUNGS.

Explanation of Carcinogenicity:KEROSENE GENERALLY CONTAINS BENZENE [71-43-2] WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES: LIQUID MAY CAUSE INTENSE STINGING WITHOUT LONG TERM EFFECTS. INHALATION: MAY CAUSE HEADACHE, NAUSEA AND SEDATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:EYES: FLUSH WITH RUNNING WATER FOR AT LEAST FIFTEEN MINUTES. SKIN: IMMEDIATELY WASH WITH SOAP AND WATER FOR AT LEAST FIFTEEN MINUTES. IF IRRITATION OR ADVERSE SYMPTOMS DEVELOP FOR THE SKIN AND/OR EYES, SEEK MEDICAL ATTENTION. INHALATION:REMOVE FROM EXPOSURE. ADMINISTER BREATHING SUPPORT MEASURES IF NEEDED. INGESTION: DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

Fire Fighting

Flash Point Method:TCC

Flash Point:>100F,>38C

Extinguishing Media:DRY CHEMICAL, FOAM OR CARBON DIOXIDE.

Fire Fighting Procedures:EVACUATE AREA OF ALL UNNECESSARY PERSONNEL. SHUT OFF SOURCE, IF POSSIBLE. USE SCBA AND OTHER PROTECTIVE EQUIPMENT AND/OR GARMENTS. DO NOT SPRAY WATER ON FIRE.

Unusual Fire/Explosion Hazard:PRODUCT WILL FLOAT AND COULD BE REIGNITED ON SURFACE OF WATER.

Accidental Release

Spill Release Procedures:EVACUATE AREA OF ALL UNNECESSARY PERSONNEL. WEAR PROTECTIVE EQUIPMENT AND/OR GARMENTS. SHUT OFF SOURCE, IF POSSIBLE AND CONTAIN SPILL. PROTECT FROM IGNITION. KEEP OUT OF WATER SOURCES AND SEWERS. ABSORB IN A DRY, INERT MATERIAL. TRANSFER TO DRUMS.

Handling

Handling and Storage Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPORS MIST, FUME OR DUST. DO NOT SWALLOW. WASH THOROUGHLY AFTER HANDLING.

Other Precautions:USE PRODUCT ONLY WITH ADEQUATE VENTILATION. KEEP AWAY FROM HEAT, SPARKS OR FLAMES. STORE IN WELL-VENTILATED AREA. BOND AND GROUND DURING TRANSFER. STORE IN CLOSED CONTAINER.

Exposure Controls

Respiratory Protection:FOR CONCENTRATIONS > THAN RECOMMENDED EXPOSURE LIMITS USE APPROVED AIR PURIFYING RESPIRATOR. IN CASE OF SPILL OR LEAK RESULTING IN UNKNOWN CONCENTRATION, USE NIOSH/MSHA-APPROVED AIR-SUPPLIED RESPIRATOR. USE SCBA EQUIPMENT IF NEEDED.

Ventilation:USE ADEQUATE VENTILATION TO CONTROL CONCENTRATION BELOW RECOMMENDED EXPOSURE LIMITS.

Protective Gloves:USE NEOPRENE OR NITRILE GLOVES.

Eye Protection:USE SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment:FOR SPLASH PROTECTION, USE CHEMICAL GOGGLES AND FACE SHIELD.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING THIS PRODUCT.

Supplemental Safety and Health

NONE

Chemical Properties

HCC:F4

Boiling Pt:B.P. Text:300-572F

Vapor Pres:Spec Gravity:0.775-0.840

Evaporation Rate & Reference:Solubility in Water:NEGLIGIBLE
Appearance and Odor:COLORLESS LIQUID WITH A MILD ODOR.
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
OXYGEN AND STRONG OXIDIZING AGENTS.
Hazardous Decomposition Products:CARBON OXIDES AND VARIOUS
HYDROCARBONS.

Disposal

Waste Disposal Methods:INSURE CONFORMITY WITH ALL APPLICABLE DISPOSAL
REGULATIONS. INCINERATE OR OTHERWISE MANAGE AT A RCRA PERMITTED
WASTE MANAGEMENT FACILITY.

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