

MARATHON PETROLEUM CO -- 1-K KEROSENE -- 9140-00-273-2394

===== Product Identification =====

Product ID:1-K KEROSENE

MSDS Date:05/16/1990

FSC:9140

NIIN:00-273-2394

MSDS Number: BNCBW

=== Responsible Party ===

Company Name:MARATHON PETROLEUM CO

Address:539 S MAIN ST

City:FINDLAY

State:OH

ZIP:45840-3229

Country:US

Info Phone Num:419-422-2121

Emergency Phone Num:419-422-2121/800-424-9300(CHEMTREC)

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AGE:IO115

=== Contractor Identification ===

Company Name:AMERICAN SOCIETY FOR TESTING AND MATERIALS

Address:1916 RACE STREET

Box:City:PHILADELPHIA

State:PA

ZIP:19103

Country:US

CAGE:81346

Company Name:MARATHON OIL CO

Address:539 SOUTH MAIN STREET

Box:City:FINDLEY

State:OH

ZIP:45840-3229

Country:US

Phone:419-422-2121, CHEMTREC 800-424-9300

CAGE:16106

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==== Composition/Information on Ingredients =====

Ingred Name:KEROSENE  
CAS:8008-20-6  
RTECS #:OA5500000  
Fraction by Wt: MIXTURE  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM 9091

Ingred Name:PARAFFINS & CYCLOPARAFFINS  
Fraction by Wt: 70-80%  
Other REC Limits:NONE SPECIFIED

Ingred Name:OLEFINS  
Fraction by Wt: 3-6%  
Other REC Limits:NONE SPECIFIED

Ingred Name:AROMATIC HYDROCARBONS  
Fraction by Wt: 17-25%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:2000 MG/M3 (PER MFR)

==== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE-LITTLE OR NO IRRITATION ON DIRECT CONTACT. SKIN-MAY PRODUCE SEVERE IRRITATION OR DERMATITIS. INGESTION-ASPIRATION OF VOMITUS INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES IN THE LUNGS CAN PRODUCE CHEMICAL PNEUMONITIS AND PULMONARY EDEMA/HEMORRAGE.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:SKIN-PROLONGED OR REPEATED LIQUID CONTACT CAN CAUSE DEFATTING AND DRYING OF THE SKIN. INHALATION-HIGH VAPOR CONCENTRATIONS MAY PRODUCE HEADACHE, GIDDINESS, VERTIGO AND ANESTHETIC STUPOR.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

==== First Aid Measures =====

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First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES. IF IRRITATION OCCUR, CALL A PHYSICIAN. SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CALL A PHYSICIAN. INHALATION: MOVE TO FRESH AIR. GIV E ARTIFICIAL RESPIRATION, IF NOT BREATHING. CALL A PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. DO NOT GIVE LIQUIDS. IMMEDIATELY CALL A PHYSICIAN.

===== Fire Fighting Measures =====

Flash Point:120F,49C

Lower Limits:0.7

%

Upper Limits:5.0%

Extinguishing Media:CLASS B FIRE EXTINGUISHING MEDIA SUCH AS FOAM, CARBON DIOXIDE OR DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTING SHOULD BE ATTEMPTED ONLY BY THOSE WHO ARE ADEQUATELY TRAINED. WATER CAN BE USED TO COOL EXPOSED SURFACES.

Unusual Fire/Explosion Hazard:AVOID USE OF SOLID WATER STREAMS. AVOID EXCESSIVE WATER SPRAY APPLICATION.

===== Accidental Release Measures =====

Spill Release Procedures:KEEP PUBLIC AWAY. SH

UT OFF SOURCE. ELIMINATE

IGNITION SOURCES. ADVISE NRC (800-424-8802) FOR WATER SPILL.

CONTAIN LIQUID WITH SAND OR SOIL. RECOVER & RETURN FREE LIQUID TO SOURCE. USE SUITABLE SORBENT TO CLEAN UP RESIDUAL LIQUIDS.

===== Handling and Storage =====

Handling and Storage Precautions:PRODUCT SHOULD BE HANDLED & STORED IN ACCORDANCE WITH INDUSTRY ACCEPTED PRACTICES. IN THE ABSENCE OF LOCAL CODES REQUIREMENTS, USE NFPA OR OSHA CODES.

Other Precauti

ons:USE APPROPRIATE GROUNDING AND BONDING PRACTICES. STORE IN PROPERLY CLOSED CONTAINERS THAT ARE PROPERLY LABELED. DO NOT EXPOSE TO HEAT, OPEN FLAME, STRONG OXIDIZERS OR OTHER IGNITION SORCES. AVOID SKIN CONTACT.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:APPROVED ORGANIC CHEMICAL CARTRIDGE OR SUPPLIED AIR RESPIRATOR SHOULD BE WORN WHEN EXCESSIVE VAPORS OR MISTS ARE GENERATED. OBSERVE RESPIRATOR PROTECTION FACTOR CRITERIA CITE

D IN

ANSI Z88.2 1980. SCBA SHOULD BE USED FOR FIRE FIGHTING.

Ventilation:LOCAL OR GENERAL EXHAUST REQUIRED WHEN SPRAYING OR USING AT ELEVATED TEMPERATURES.

Protective Gloves:NEOPRENE, NITRILE OR PVC GLOVES

Eye Protection:SAFETY GLASSES - CHEMICAL SPLASH GOGGLES

Other Protective Equipment:USE MECHANICAL VENTILATION EQUIPMENT THAT IS EXPLOSION-PROOF.

Work Hygienic Practices:EXERCISE GOOD PERSONAL HYGIENE INCLUDING REMOVAL OF SOILED CLOTHING AND PROMPT WASHING WITH SOAP AND WATER.

Supplemental Safety and Health

WARNING! COMBUSTIBLE LIQUID. HARMFUL OR FATAL IF SWALLOWED. PRODUCES SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.

===== Physical/Chemical Properties =====

HCC:F4

Boiling Pt:B.P. Text:350F,177C

Vapor Pres:1-10 MMHG

Vapor Density:4-5 AIR=1

Spec Gravity:0.8

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR OR AMBER LIQUID. FUEL OIL ODOR.

===== Stability and Reactivity Data =====

Stability Indi

cator/Materials to Avoid:YES

STRONG OXIDIZERS.

Stability Condition to Avoid:THIS MATERIAL IS STABLE AT 70F. 760 MM PRESSURE.

Hazardous Decomposition Products:CARBON MONOXIDE, ALDEHYDES, AROMATICS, OTHER HYDROCARBONS.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF CLEANUP MATERIAL IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

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ormation is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.