

MAPCO ALASKA PETROLEUM INC -- KEROSENE NO. 1 FUEL OIL,ARCTIC GRADE FUEL O --  
9140-00-286-5283

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

Product ID:KEROSENE NO. 1 FUEL OIL,ARCTIC GRADE FUEL O

MSDS Date:05/28/1992

FSC:9140

NIIN:00-286-5283

MSDS Number: BPKLT

=== Responsible Party ===

Company Name:MAPCO ALASKA PETROLEUM INC

Address:1076 OCEAN DOCK RD

City:ANCHORAGE

State:AK

ZIP:99705

Country:US

Info Phone

Num:907-456-2424

Emergency Phone Num:907-488-0037, 907-456-2424

CAGE:3X619

=== Contractor Identification ===

Company Name:MAPCO ALASKA PETROLEUM INC (H&H LANE)

Address:1076 OCEAN DOCK RD

Box:City:ANCHORAGE FORMERLY IN NORTH POLE, AK

State:AK

ZIP:99705

Country:US

Phone:907-488-0037

CAGE:3X619

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

Ingred Name:KEROSENE

CAS:8008-20-6

RTECS #:OA5500000

Other REC Limits:NONE SPECIFIED

Ingred Name:BENZENE (SARA III)

CAS:71-43-2

RTECS

#:CY1400000  
Fraction by Wt: 0.24%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1PPM/5STEL;1910.1028  
ACGIH TLV:10 PPM; A2; 9293  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:CUMENE (SARA III)  
CAS:98-82-8  
RTECS #:GR8575000  
Fraction by Wt: 0.04%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:S, 50 PPM  
ACGIH TLV:S, 50 PPM; 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL BENZENE (SARA III)  
CAS:100-41-4  
RTECS #:DA0700000  
Fraction by Wt: 0.09%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100  
PPM/125 STEL  
ACGIH TLV:100 PPM/125STEL 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:NAPHTHALENE (SARA III)  
CAS:91-20-3  
RTECS #:QJ0525000  
Fraction by Wt: 0.34%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:10 PPM/15 STEL  
ACGIH TLV:10 PPM/15 STEL; 9293  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA III)  
CAS:95-63-6  
RTECS #:DC3325000  
Fraction by Wt: 0.27%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:25 PPM  
ACGIH TLV:25 PPM; 9293

Ingred Name:TOLUENE (SAR

A III)  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 0.50%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:200 PPM/150 STEL  
ACGIH TLV:50 PPM; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 0.53%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150STEL;9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

=====  
Hazards Identification  
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Routes of

Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:EYES: IRRITATION. SKIN: PROLONGED  
CONTACT MAY RESULT IN IRRITATION AND DERMATITIS. INHALATION: HIGH  
CONCENTRATIONS MAY CAUSE NOSE, THROAT AND RESPIRATORY IRRITATION,  
DIZZINESS, AND POSSIBLY UNCONSCIOUSNESS.  
Explanation of Carcinogenicity:BENZENE IS LISTED BY NTP, IARC, AND OSHA  
AS CARCINOGENIC TO HUMANS.  
Effects of Overexposure:EYES: IRRITATION.  
SKIN: IRRITATION, DERMATITIS.  
INHALATION: NOSE, THROAT AND RESPIRATORY IRRITATION, DIZZINESS,  
UNCONSCIOUSNESS. INGESTION: NAUSEA, VOMITING, DIARRHEA.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

=====  
First Aid Measures  
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First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL  
ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP  
AND WATER. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING GIV

E

CPR. IF BREATHING DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION.  
INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:100F,38C

Lower Limits:1.0%

Upper Limits:6.0%

Extinguishing Media:FOAM, WATER FOG, CARBON DIOXIDE, OR DRY CHEMICAL.

Fire Fighting Procedures:USE WATER TO KEEP FIRE EXPOSED CONTAINERS  
COOL. IF SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPORS  
AND

PROVIDE PROTECTION FOR MEN TRYING TO STOP LEAK.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY  
TRAVEL ALONG GROUND A LONG DISTANCE TO AN IGNITION SOURCE AND  
BACKFLASH.

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

Spill Release Procedures:REMOVE IGNITION SOURCES. STOP LEAK. CONTROL  
SPILL BY DIKING IF POSSIBLE. VENTILATE AREA. KEEP PRODUCT OUT OF  
SEWERS AND WATERWAYS. ABSORB ON VERMICULITE, SAND, CLAY, EARTH OR  
OTHER ABSORBENT AND TRANSFER TO HOOD OR SHOVEL INTO CONTAINERS FOR  
DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT HANDLE OR STORE NEAR FLAME,  
HEAT, SPARKS, OR STRONG OXIDANTS. STORAGE AREA SHOULD BE WELL  
VENTILATED. AVOID BREATHING VAPORS.

Other Precautions:STORE AS NFPA CLASS II LIQUID. NIOSH TOXICOLOGIC AND  
EPIDEMIOLOGIC FINDINGS SUGGEST "POTENTIAL OCCUPATIONAL CARCINOGENIC  
HAZARD EXISTS IN HUMAN EXPOSURE TO DIESEL EXHAUST".

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

Respiratory Protection:IN CONFINED AREAS USE FULL FACE MASK EQUIPPED  
WITH HYDROCARBON VAPOR CANISTER OR SELF-CONTAINED BREATHING  
APPARATUS.

Ventilation:PROVIDE SUFFICIENT MECHANICAL/LOCAL EXHAUST VENTILATION TO  
KEEP BELOW RECOMMENDED TLV/PEL.

Protective Gloves:CHEMICAL RESISTANT.

Eye Protection:CHEMICAL SPLASH GOGGLES OR FACE SHIELD.

Other Protective Equipment:NON

E SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING,  
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental Safety and Health

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

HCC:F4

Boiling Pt:B.P. Text:285F,141C

Vapor Pres:2-3

Vapor Density:4

Spec Gravity:0.805

Evaporation Rate & Reference:0.04 (N-BUTYLACETATE=1)

Solubility in Water:NIL

Appearance and Odor:CLEAR, WATER WHITE TO STRAW LIQUID. HYDROCARBON

ODOR.

Percent Volatiles by Volume:100%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS LIKE CHLORINE, HYPOCHLORITES, CONCENTRATED  
OXYGEN.

Stability Condition to Avoid:HEAT, SPARKS, FLAMES, IGNITION SOURCES.

Hazardous Decomposition Products:FUMES, SMOKE, AND CARBON MONOXIDE IN  
CASE OF INCOMPLETE COMBUSTION.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.  
DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL  
REGULATIONS.

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