

MAPCO ALASKA PETROLEUM INC -- KEROSENE NO. 1 FUEL OIL,ARCTIC GRADE FUEL O --
9140-00-286-5286

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

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

MSDS Date:07/20/1990

FSC:9140

NIIN:00-286-5286

MSDS Number: BPMFG

=== 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

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

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;1

910.1028
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: 0.12%
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: 0.12%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM/125 STEL
ACGIH TLV:100 PPM/125 STEL 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: 0.82%
Other REC Limits:NONE SPECIFIED
OSHA PEL:25 PPM
ACGIH TLV:25 PPM; 9293

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 0.28%
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: 1.94%
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

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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.

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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 GIVE
CPR. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET
MEDICAL ATTENTION.

CAL 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, 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 PROTECT MEN ATTEMPTING TO STOP LEAK.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL LONG DISTANCE TO IGNITION SOURCE AND FLASH BACK.

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

Spill Release Procedures:REMOVE IGNITION SOURCES. VENTILATE AREA. STOP LEAK. CONTAIN SPILL BY DIKING. KEEP PRODUCT OUT OF SEWERS AND WATERWAYS. RECOVER LIQUID. ABSORB RESIDUE ON VERMICULITE, 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 VAPORS BELOW RECOMMENDED TLV/PEL AND EXPLOSIVE LIMITS.

Protective Gloves:CHEMICAL RESISTANT.

Eye Protection:CHEMICAL SPLASH GOGGLES OR FACE SHIELD.

Other Protective Equipment:CHEMICAL RESISTANT APRON IN CASE OF POSSIBLE ANTICIPATED SKIN CONTACT.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING

G,
DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
USE EXPLOSION-PROOF ELECTRICAL VENTILATION SYSTEM.

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

HCC:F4
Boiling Pt:B.P. Text:285F,141C
Vapor Pres:2-3
Vapor Density:4 AIR=1
Spec Gravity:0.805
Evaporation Rate & Reference:0.04 (N-BUTYLACETATE=1)
Solubility in Water:NIL
Appearance and Odor:CLEAR WATER WHITE TO LIGHT STRAW LIQUID.
HYDROCARBON ODOR.
Percent Volatiles by Volume:100%

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDANTS SUCH AS 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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