

MAPCO ALASKA PETROLEUM, INC. -- NO. 2 FUEL OIL (-15) -- 9140-00-286-5297

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

Product ID:NO. 2 FUEL OIL (-15)

MSDS Date:07/20/1990

FSC:9140

NIIN:00-286-5297

MSDS Number: BPMGN

=== Responsible Party ===

Company Name:MAPCO ALASKA PETROLEUM, INC.

Address:1076 OCEAN DOCK ROAD

City:ANCHORAGE

State:AK

ZIP:99705

Country:US

Info Phone Num:907-546-2424 OR 907-276-4100

Emerg

ency Phone Num:907-488-0037 OR 907-488-0035

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:BENZENE (SARA III)

CAS:71-43-2

RTECS #:CY1400000

Fraction by Wt: 0.14%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1PPM/5STEL;1910.1028

ACGIH TL

V:10 PPM; A2; 9192  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:NAPHTHALENE (SARA III)  
CAS:91-20-3  
RTECS #:QJ0525000  
Fraction by Wt: 0.55%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 PPM/15 STEL  
ACGIH TLV:10 PPM/15 STEL; 9192  
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: 0.48%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:25 PPM  
ACGIH TLV:25 PPM; 9192

Ingred Name:TOLUENE (SARA III)  
CAS:108-88-3  
RTECS  
#:XS5250000  
Fraction by Wt: 0.12%  
Other REC Limits:NONE RECOMMENDED  
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: 1.05%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150 STEL; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:NO INFORMATION

GIVEN BY MFR ON THE MSDS.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:INHALATION OF HIGH VAPOR

CONCENTRATIONS MAY RESULT IN EYE AND RESPIRATORY TRACT IRRITATION, DIZZINESS AND POSSIBLY TO UNCONSCIOUSNESS DEPENDING ON LENGTH OF EXPOSURE. PROLONGED OR REPEATED SKIN CONTACT MAY RESULT IN IRRITATION OR DERMATITIS.

Explanation of Carcinogenicity:CONTAINS BENZENE;LISTED BY ALL THREE.

SEE INDIVIDUAL REPORTS FOR DETAILS.

Effects of Overexposure:SEE HEALTH HAZARDS

Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN BY MFR ON THE MSDS.

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

First Aid:IF OVERCOME BY VAPORS - REMOVE TO FRESH AIR AREA - ADMINISTER ARTIFICIAL RESPIRATION. CONSULT PHYSICIAN IMMEDIATELY. EYE CONTACT - FLUSH WITH CLEAN WATER FOR 15 MINUTES, SEE PHYSICIAN. SKIN CONTACT - WASH THOROUGHLY WITH SOAP AND WATER - REMOVE SOILED CLOTHING - WASH BEFORE REUSE. INGESTION - DO NOT INDUCE VOMITING - SEE PHYSICIAN.

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

Flash Point Method:PMCC

Flash Point:>100F,>38C

Lower Limits:0.9

Upper Limits:6.0

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

Fire Fighting Procedures:USE WATER TO KEEP CONTAINERS COOL, TO DISPERSE VAPORS IF LEAK IS NOT IGNITED, OR TO FLUSH AWAY SPILLS. WEAR SELF-CONTAINED BREATHING APPARATUS IN CONFINED AREAS

Unusual Fire/Explosion Hazard:AVOID CONTACT WITH STRONG OXIDIZERS.

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

Spill Release Procedures:PROTECT FROM POSSIBLE IGNITION SOURCES.

CONTAIN SPILL BY DIKING IF POSSIBLE. KEEP OUT OF SEWERS AND WATERWAYS. NOTIFY AUTHORITIES IF ENTRY OCCURS. RECOVER LIQUID. ABSORB LIQUID WITH ABSORBENT PAD, SAND OR SAWDUST.

Neutralizing Agent:NO INFORMATION GIVEN BY MFR ON THE MSDS.

=====  
Handling an  
=====

d Storage =====

Handling and Storage Precautions:DO NOT HANDLE OR STORE NEAR FLAME,  
HEAT, SPARKS OR STRONG OXIDANTS. STORE AS NFPA CLASS IIB LIQUID.  
Other Precautions:NIOSH TOXICOLOGIC AND EPIDEMIOLOGIC FINDINGS SUGGEST  
"POTENTIAL OCCUPATIONAL CARCINOGENIC HAZARD EXISTS IN HUMAN  
EXPOSURE TO DIESIL EXHAUST".

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

Respiratory Protection:CONFINED AREA - USE FULL FACE MASK EQUIPPED WITH  
HYDROCARBON VA  
POR CANISTER OR SELF-CONTAINED BREATHING APPARATUS.  
Ventilation:USE ADEQUATE LOCAL EXHAUST TO PREVENT EXPLOSIVE MIXTURE.  
Protective Gloves:CHEMICAL RESISTANT  
Eye Protection:SPLASH GOGGLES OR FULL FACE SHIELD  
Other Protective Equipment:CHEMICAL RESISTANT APRON IN CASE OF  
ANTICIPATED SKIN CONTACT.  
Work Hygienic Practices:MFR: ? HMIS:USE GOOD CHEMICAL HYGIENE  
PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING  
OR DRINKING.  
Supplemental Safety and Health  
NONE

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

HCC:F4  
NRC/State Lic Num:NONE  
Boiling Pt:B.P. Text:300F,149C  
Vapor Pres:1-2  
Vapor Density:8  
Spec Gravity:0.842  
Evaporation Rate & Reference:400 X SLOWER (BUAC = 1)  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:CLEAR WATER WHITE TO LIGHT STRAW LIQUID WITH  
DIESEL FUEL ODOR  
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXID

ANTS LIKE CHLORINE, HYPOCHLORITES, CONCENTRATED OXYGEN

Stability Condition to Avoid:SUPPLIER LEFT THIS FIELD BLANK.

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

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Waste Disposal Methods:FEDERAL, STATE & LOCAL REGULATIONS GOVERN DISPOSAL.

Disclaimer (provided with this information by the compiling agencies):

This infor

mation 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.