

MARATHON OIL CO -- #1 FUEL OIL -- 9140-00-247-4364

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

Product ID:#1 FUEL OIL

MSDS Date:05/16/1990

FSC:9140

NIIN:00-247-4364

MSDS Number: BKNTF

=== Responsible Party ===

Company Name:MARATHON OIL CO

Address:539 SOUTH MAIN STREET

City:FINDLEY

State:OH

ZIP:45840-3229

Country:US

Info Phone Num:419-422-2121

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

Prepare

r's Name:CRAIG M. PARKER

CAGE:16106

=== Contractor Identification ===

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Address:539 SOUTH MAIN STREET

Box:City:FINDLEY

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

Ingred Name:SATURATED HYDROCARBONS

Fraction by Wt: 70-80%

Other REC Limits:NONE SPECIFIED

Ingred Name:UNSATURATED HYDROCARBONS

Fraction by Wt: 3-6%

Other REC Limits:NONE SPECIFIED

Ingred Name:A

ROMATIC HYDROCARBON

CAS:68333-88-0

Fraction by Wt: 17-25%

Other REC Limits:NONE SPECIFIED

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===== 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:ACUTE-INGESTION:HARMFUL OR FATAL.

ASPIRATION INTO LUNGS CAN CAUSE CHEMICAL PNEUMONIA AND CAN BE FATAL. INHALATION OF MIST MAY CAUAE IRRITATION OF NOSE & THROAT.

EYE: IRRITATION. SKIN:

IRRITATION. CHR ONIC-PROLONGED/REPEATED

SKIN CONTACT MAY CAUSE IRRITATION, DERMATITIS.

Effects of Overexposure:INHALATION MAY CAUSE IRRITATION OF NOSE, THROAT AND DIZZINESS. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE SKIN IRRITATION. EYE CONTACT MAY CAUSE EYE

IRRITATION.INGESTION:VOMITING, WEEKNESS, COMA, CO NVUSIONS.

Medical Cond Aggravated by Exposure:PERSONS WITH SKIN & PULMONARY DISORDERS SHOULD AVOID PROLONGED CONTACT WHEN HANDLING OR USING THIS PRODUCT.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER.

GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: REMOVE TO FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION.

EYE : IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION: GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point Method:TCC

Flash Point:120F,49C

Lower Limits:0.7%

Upper Limits:5.0%

Extinguishing Media:USE HALON, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITIO

## N PRODUCTS AND VAPORS.

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

Spill Release Procedures:RECOVER FREE PRODUCT, OR ABSORB WITH DIATOMACEOUS EARTH OR OTHER INERT MATERIAL. STORE IN APPROPRIATE CONTAINER FOR DISPOSAL. KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES BY DIKING OR IMPOUNDING. MINIM IZE SKIN CONTACT AND BREATHING VAPORS.

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

Handling and Storage Precautions:AVOID STORAGE NEAR OPEN FLAME OR OTHER

SOURCES OF IGNITION,AND STRONG OXIDANTS. KEEP CONTAINERS CLOSED.

Other Precautions:EMPTY CONTAINERS RETAIN RESIDUE. DO NOT PRESSURIZE, CUT, WELD OR EXPOSE TO HEAT, FLAME, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY.

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

Respiratory Protection:USE SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES, IF NEEDED.

Ventilation:SUFFICIENT TO MAINTAIN A TMOSPHERE BELOW TLV LIMIT.

Protective Gloves:NEOPRENE, NITRILE, OR POLYVINYL ALCOHOL

Eye Protection:USE CHEMICAL SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. CHEMICALLY RESISTANT BOOTS AND APRONS RECOMMENDED.

Work Hygienic Practices:DO NOT TAKE INTERNALLY. AVOID SKIN/EYE CONTACT. WASH SKIN AFTER USING PRODUCT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health

WASH OR TAKE SHOWER IF GENERAL CONTACT OCCURS. REMOVE OIL-SOAKED CLOT

HING AND LAUNDER BEFORE REUSE. DISCARD CONTAMINATED LEATHER GLOVES AND SHOES.

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

HCC:F4

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

Vapor Pres:1-10 MMHG

Vapor Density:4-5

Spec Gravity:0.80

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR OR AMBER LIQUID WITH A HYDROCARBON ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condi

on to Avoid:EXTREMELY HIGH TEMPERATURES, OPEN FLAMES  
Hazardous Decomposition Products:FUMES,SMOKE,CARBON MONOXIDE, AND OTHER  
DECOMPOSITION PRODUCTS IN THE CASE OF INCOMPLETE COMBUSTION.

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

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE  
AND FEDERAL REGULATIONS. THIS PRODUCT IS SUBJECT TO 40 CFR PT.  
268.30 LAND BAN, 40 CFR PT 370 & 372.

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